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Education

2006–2009 Postdoctoral training, University of California, Berkeley, CA. Mentor: Dr. John W Taylor
2001–2006 Ph.D., Genetics and Genomics, Duke University, Durham, NC. Advisor: Dr. Fred S Dietrich
1995–1999 B.S., Computer Science, Duke University, Durham, NC

Academic appointments:

2017– Professor
2014–2017 Associate Professor (with tenure)
2009–2014 Assistant Professor
Dept of Plant Pathology & Microbiology. University of California Riverside.
2006–2009 Postdoctoral Research Fellow. Miller Institute for Basic Research.
Dept of Plant and Microbial Biology, University of California Berkeley.

Honors and Awards:

2020 Fellow of American Academy of Microbiology, American Society of Microbiology
2019–2024 CIFAR Fellow (Fungal Kingdom: Threats & Opportunities)
2017 Whetzel-Westcott-Dimock Special Lecturer, Cornell University
2015 Kavli Fellow, Kavli Frontiers of Science
2014 C. J. Alexopoulos Prize, Mycological Society for America
2006–2009 Miller Institute for Basic Research in Science, Postdoctoral Research Fellowship
2003–2006 National Science Foundation, Graduate Research Fellowship

Publications:

Peer Reviewed Publications

1. Baxter, R. V., Othmane, K. B., Rochelle, J. M., **Stajich**, J. E., Hulette, C., Dew-Knight, S., Hentati, F., Hamida, M. B., Bel, S., Stenger, J. E., Gilbert, J. R., Pericak-Vance, M. A., and Vance, J. M. 2002. Ganglioside-induced differentiation-associated protein-1 is mutant in Charcot-Marie-Tooth disease type 4A/8q21. *Nat Genet* 30(1):21–22. doi:10.1038/ng796.
2. **Stajich**, J. E., Block, D., Boulez, K., Brenner, S. E., Chervitz, S. A., Dagdigian, C., Fuellen, G., Gilbert, J. G. R., Korf, I., Lapp, H., Lehväslaiho, H., Matsalla, C., Mungall, C. J., Osborne, B. I., Pocock, M. R., Schattner, P., Senger, M., Stein, L. D., Stupka, E., Wilkinson, M. D., and Birney, E. 2002. The Bioperl toolkit: Perl modules for the life sciences. *Genome Res* 12(10):1611–1618. doi:10.1101/gr.361602.
3. Stein, L. D., Mungall, C., Shu, S., Caudy, M., Mangone, M., Day, A., Nickerson, E., **Stajich**, J. E., Harris, T. W., Arva, A., and Lewis, S. 2002. The generic genome browser: a building block for a model organism system database. *Genome Res* 12(10):1599–1610. doi:10.1101/gr.403602.
4. Hahn, M. W., **Stajich**, J. E., and Wray, G. A. 2003. The effects of selection against spurious transcription factor binding sites. *Mol Biol Evol* 20(6):901–906. doi:10.1093/molbev/msg096.
5. Stein, L. D., Bao, Z., Blasiar, D., Blumenthal, T., Brent, M. R., Chen, N., Chinwalla, A., Clarke, L., Clee, C., Coghlan, A., Coulson, A., D'Eustachio, P., Fitch, D. H. A., Fulton, L. A., Fulton, R. E.,

- Griffiths-Jones, S., Harris, T. W., Hillier, L. W., Kamath, R., Kuwabara, P. E., Mardis, E. R., Marra, M. A., Miner, T. L., Minx, P., Mullikin, J. C., Plumb, R. W., Rogers, J., Schein, J. E., Sohrmann, M., Spieth, J., **Stajich**, J. E., Wei, C., Willey, D., Wilson, R. K., Durbin, R., and Waterston, R. H. 2003. The genome sequence of *Caenorhabditis briggsae*: a platform for comparative genomics. *PLoS Biol* 1(2):E45. doi:10.1371/journal.pbio.0000045.
6. Kraus, P. R., Boily, M.-J., Giles, S. S., **Stajich**, J. E., Allen, A., Cox, G. M., Dietrich, F. S., Perfect, J. R., and Heitman, J. 2004. Identification of *Cryptococcus neoformans* temperature-regulated genes with a genomic-DNA microarray. *Eukaryot Cell* 3(5):1249–1260. doi:10.1128/EC.3.5.1249-1260.2004.
 7. Fraser, J. A., Giles, S. S., Wenink, E. C., Geunes-Boyer, S. G., Wright, J. R., Diezmann, S., Allen, A., **Stajich**, J. E., Dietrich, F. S., Perfect, J. R., and Heitman, J. 2005. Same-sex mating and the origin of the Vancouver Island *Cryptococcus gattii* outbreak. *Nature* 437(7063):1360–1364. doi:10.1038/nature04220.
 8. Hahn, M. W., Bie, T. D., **Stajich**, J. E., Nguyen, C., and Cristianini, N. 2005. Estimating the tempo and mode of gene family evolution from comparative genomic data. *Genome Res* 15(8):1153–1160. doi:10.1101/gr.3567505.
 9. Leman, S. C., Chen, Y., **Stajich**, J. E., Noor, M. A. F., and Uyenoyama, M. K. 2005. Likelihoods from summary statistics: recent divergence between species. *Genetics* 171(3):1419–1436. doi:10.1534/genetics.104.040402.
 10. Mitreva, M., McCarter, J. P., Arasu, P., Hawdon, J., Martin, J., Dante, M., Wylie, T., Xu, J., **Stajich**, J. E., Kapulkin, W., Clifton, S. W., Waterston, R. H., and Wilson, R. K. 2005. Investigating hookworm genomes by comparative analysis of two *Ancylostoma* species. *BMC Genomics* 6(1):58. doi:10.1186/1471-2164-6-58.
 11. **Stajich**, J. E. and Hahn, M. W. 2005. Disentangling the effects of demography and selection in human history. *Mol Biol Evol* 22(1):63–73. doi:10.1093/molbev/msh252.
 12. Hesselberth, J. R., Miller, J. P., Golob, A., **Stajich**, J. E., Michaud, G. A., and Fields, S. 2006. Comparative analysis of *Saccharomyces cerevisiae* WW domains and their interacting proteins. *Genome Biol* 7(4):R30. doi:10.1186/gb-2006-7-4-r30.
 13. Cramer, R. A., **Stajich**, J. E., Yamanaka, Y., Dietrich, F. S., Steinbach, W. J., and Perfect, J. R. 2006. Phylogenomic analysis of non-ribosomal peptide synthetases in the genus *Aspergillus*. *Gene* 383:24–32. doi:10.1016/j.gene.2006.07.008.
 14. Giles, S. S., **Stajich**, J. E., Nichols, C., Gerrald, Q. D., Alspaugh, J. A., Dietrich, F., and Perfect, J. R. 2006. The *Cryptococcus neoformans* catalase gene family and its role in antioxidant defense. *Eukaryot Cell* 5(9):1447–1459. doi:10.1128/EC.00098-06.
 15. **Stajich**, J. E. and Dietrich, F. S. 2006. Evidence of mRNA-mediated intron loss in the human-pathogenic fungus *Cryptococcus neoformans*. *Euk Cell* 5(5):789–793. doi:10.1128/EC.5.5.789-793.2006.
 16. Kämper, J., Kahmann, R., Bölker, M., Ma, L.-J., Brefort, T., Saville, B. J., Banuett, F., Kronstad, J. W., Gold, S. E., Müller, O., Perlin, M. H., Wösten, H. A. B., de Vries, R., Ruiz-Herrera, J., na, C. G. R.-P., Snetselaar, K., McCann, M., Pérez-Martín, J., Feldbrügge, M., Basse, C. W., Steinberg, G., Ibeas, J. I., Holloman, W., Guzman, P., Farman, M., **Stajich**, J. E., Sentandreu, R., González-Prieto, J. M., Kennell, J. C., Molina, L., Schirawski, J., Mendoza-Mendoza, A., Greilinger, D., Münch, K., Rössel, N., Scherer, M., Vranes, M., Ladendorf, O., Vincon, V., Fuchs, U., Sandrock, B., Meng, S., Ho, E. C. H., Cahill, M. J., Boyce, K. J., Klose, J., Klosterman, S. J., Deelstra, H. J., Ortiz-Castellanos, L., Li, W., Sanchez-Alonso, P., Schreier, P. H., Häuser-Hahn, I., Vaupel, M., Koopmann, E., Friedrich, G., Voss, H., Schlüter, T., Margolis, J., Platt, D., Swimmer, C., Gnirke, A., Chen, F., Vysotskaia, V., Mannhaupt, G., Güldener, U., Münsterkötter, M., Haase, D., Oesterheld, M., Mewes, H.-W., Mauceli, E. W., DeCaprio, D., Wade, C. M., Butler, J., Young, S., Jaffe, D. B., Calvo, S.,

- Nusbaum, C., Galagan, J., and Birren, B. W. 2006. Insights from the genome of the biotrophic fungal plant pathogen *Ustilago maydis*. *Nature* 444(7115):97–101. doi:10.1038/nature05248.
17. James, T. Y., Kauff, F., Schoch, C. L., Matheny, P. B., Hofstetter, V., Cox, C. J., Celio, G., Gueidan, C., Fraker, E., Miadlikowska, J., Lumbsch, H. T., Rauhut, A., Reeb, V., Arnold, A. E., Amtoft, A., **Stajich, J. E.**, Hosaka, K., Sung, G.-H., Johnson, D., O'Rourke, B., Crockett, M., 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., Humber, R. A., Morton, J. B., Sugiyama, J., Rossman, A. Y., Rogers, J. D., Pfister, D. H., Hewitt, D., Hansen, K., Hambleton, S., Shoemaker, R. A., Kohlmeyer, J., Volkmann-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., McLaughlin, D. J., Spatafora, J. W., and Vilgalys, R. 2006. Reconstructing the early evolution of Fungi using a six-gene phylogeny. *Nature* 443(7113):818–822. doi:10.1038/nature05110.
 18. Demuth, J. P., Bie, T. D., **Stajich, J. E.**, Cristianini, N., and Hahn, M. W. 2006. The evolution of mammalian gene families. *PLoS One* 1:e85. doi:10.1371/journal.pone.0000085.
 19. Fitzpatrick, D. A., Logue, M. E., **Stajich, J. E.**, and Butler, G. 2006. A fungal phylogeny based on 42 complete genomes derived from supertree and combined gene analysis. *BMC Evol Biol* 6:99. doi:10.1186/1471-2148-6-99.
 20. Erwin, T. A., Jewell, E. G., Love, C. G., Lim, G. A. C., Li, X., Chapman, R., Batley, J., **Stajich, J. E.**, Mongin, E., Stupka, E., Ross, B., Spangenberg, G., and Edwards, D. 2007. BASC: an integrated bioinformatics system for *Brassica* research. *Nucleic Acids Res* 35(Database issue):D870–D873. doi:10.1093/nar/gkl998.
 21. Harrison, L. B., Yu, Z., **Stajich, J. E.**, Dietrich, F. S., and Harrison, P. M. 2007. Evolution of budding yeast prion-determinant sequences across diverse fungi. *J Mol Biol* 368(1):273–282. doi:10.1016/j.jmb.2007.01.070.
 22. Fraser, J. A., **Stajich, J. E.**, Tarcha, E. J., Cole, G. T., Inglis, D. O., Sil, A., and Heitman, J. 2007. Evolution of the mating type locus: insights gained from the dimorphic primary fungal pathogens *Histoplasma capsulatum*, *Coccidioides immitis*, and *Coccidioides posadasii*. *Eukaryot Cell* 6(4):622–629. doi:10.1128/EC.00018-07.
 23. **Stajich, J. E.**, Dietrich, F. S., and Roy, S. W. 2007. Comparative genomic analysis of fungal genomes reveals intron-rich ancestors. *Genome Biol* 8(10):R223. doi:10.1186/gb-2007-8-10-r223.
 24. Hu, G., Liu, I., Sham, A., **Stajich, J. E.**, Dietrich, F. S., and Kronstad, J. W. 2008. Comparative hybridization reveals extensive genome variation in the aids-associated pathogen *Cryptococcus neoformans*. *Genome Biol* 9(2):R41. doi:10.1186/gb-2008-9-2-r41.
 25. Lilly, W. W., **Stajich, J. E.**, Pukkila, P. J., Wilke, S. K., Inoguchi, N., and Gathman, A. C. 2008. An expanded family of fungalsin extracellular metallopeptidases of *Coprinopsis cinerea*. *Mycol Res* 112(Pt 3):389–398. doi:10.1016/j.mycres.2007.11.013.
 26. Martin, F., Aerts, A., Ahrén, D., Brun, A., Danchin, E. G. J., Duchaussoy, F., Gibon, J., Kohler, A., Lindquist, E., Pereda, V., Salamov, A., Shapiro, H. J., Wuyts, J., Blaudez, D., Buée, M., Brokstein, P., Canbäck, B., Cohen, D., Courty, P. E., Coutinho, P. M., Delaruelle, C., Detter, J. C., Deveau, A., DiFazio, S., Duplessis, S., Fraissinet-Tachet, L., Lucic, E., Frey-Klett, P., Fourrey, C., Feussner, I., Gay, G., Grimwood, J., Hoegger, P. J., Jain, P., Kilaru, S., Labbé, J., Lin, Y. C., Legué, V., Tacon, F. L., Marmeisse, R., Melayah, D., Montanini, B., Muratet, M., Nehls, U., Niculita-Hirzel, H., Secq, M. P. O.-L., Peter, M., Quesneville, H., Rajashekar, B., Reich, M., Rouhier, N., Schmutz, J., Yin, T., Chalot, M., Henrissat, B., Kües, U., Lucas, S., de Peer, Y. V., Podila, G. K., Polle, A., Pukkila, P. J., Richardson, P. M., Rouzé, P., Sanders, I. R., **Stajich, J. E.**, Tunlid, A., Tuskan, G., and Grigoriev, I. V. 2008. The genome of *Laccaria bicolor* provides insights into mycorrhizal symbiosis. *Nature* 452(7183):88–92. doi:10.1038/nature06556.

27. Regier, J. C., Shultz, J. W., Ganley, A. R. D., Hussey, A., Shi, D., Ball, B., Zwick, A., **Stajich, J. E.**, Cummings, M. P., Martin, J. W., and Cunningham, C. W. 2008. Resolving arthropod phylogeny: exploring phylogenetic signal within 41 kb of protein-coding nuclear gene sequence. *Syst Biol* 57(6):920–938. doi:10.1080/10635150802570791.
28. Rosenblum, E. B., **Stajich, J. E.**, Maddox, N., and Eisen, M. B. 2008. Global gene expression profiles for life stages of the deadly amphibian pathogen *Batrachochytrium dendrobatidis*. *Proc Natl Acad Sci U S A* 105(44):17034–17039. doi:10.1073/pnas.0804173105.
29. Fisher, M. C., Bosch, J., Yin, Z., Stead, D. A., Walker, J., Selway, L., Brown, A. J. P., Walker, L. A., Gow, N. A. R., **Stajich, J. E.**, and Garner, T. W. J. 2009. Proteomic and phenotypic profiling of the amphibian pathogen *Batrachochytrium dendrobatidis* shows that genotype is linked to virulence. *Mol Ecol* 18(3):415–429. doi:10.1111/j.1365-294X.2008.04041.x.
30. Sharpton, T. J., **Stajich, J. E.**, Rounsley, S. D., Gardner, M. J., Wortman, J. R., Jordar, V. S., Maiti, R., Kodira, C. D., Neafsey, D. E., Zeng, Q., Hung, C.-Y., McMahan, C., Muszewska, A., Grynberg, M., Mandel, M. A., Kellner, E. M., Barker, B. M., Galgiani, J. N., Orbach, M. J., Kirkland, T. N., Cole, G. T., Henn, M. R., Birren, B. W., and Taylor, J. W. 2009. Comparative genomic analyses of the human fungal pathogens *Coccidioides* and their relatives. *Genome Res* 19(10):1722–1731. doi:10.1101/gr.087551.108.
31. Nowrousian, M., **Stajich, J. E.**, Engh, I., Espagne, E., Kamerewerd, J., Kempken, F., Kunstmann, B., Kuo, H.-C., Osiewacz, H. D., Pöggeler, S., Read, N., Seiler, S., Smith, K., Zickler, D., Kück, U., and Freitag, M. 2010. Next-generation sequencing of the 40 Mb genome of the filamentous fungus *Sordaria macrospora*. *PLoS Genetics* 6(4):e1000891. doi:10.1371/journal.pgen.1000891.
32. Neafsey, D. E., Barker, B. M., Sharpton, T. J., **Stajich, J. E.**, Park, D. J., Whiston, E., Hung, C.-Y., McMahan, C., White, J., Sykes, S., Heiman, D., Young, S., Zeng, Q., Abouelleil, A., Aftuck, L., Bessette, D., Brown, A., Fitzgerald, M., Lui, A., Macdonald, J. P., Priest, M., Orbach, M. J., Galgiani, J. N., Kirkland, T. N., Cole, G. T., Birren, B. W., Henn, M. R., Taylor, J. W., and Rounsley, S. D. 2010. Population genomic sequencing of *Coccidioides* fungi reveals recent hybridization and transposon control. *Genome Res* 20(7):938–946. doi:10.1101/gr.103911.109.
33. **Stajich, J. E.**, Wilke, S. K., Ahrén, D., Au, C. H., Birren, B. W., Borodovsky, M., Burns, C., Canbäck, B., Casselton, L. A., Cheng, C. K., Deng, J., Dietrich, F. S., Fargo, D. C., Farman, M. L., Gathman, A. C., Goldberg, J., Guigó, R., Hoegger, P. J., Hooker, J. B., Huggins, A., James, T. Y., Kamada, T., Kilaru, S., Kodira, C., Kües, U., Kupfer, D., Kwan, H. S., Lomsadze, A., Li, W., Lilly, W. W., Ma, L.-J., Mackey, A. J., Manning, G., Martin, F., Muraguchi, H., Natvig, D. O., Palmerini, H., Ramesh, M. A., Rehmeier, C. J., Roe, B. A., Shenoy, N., Stanke, M., Ter-Hovhannisyan, V., Tunlid, A., Velagapudi, R., Vision, T. J., Zeng, Q., Zolan, M. E., and Pukkila, P. J. 2010. Insights into evolution of multicellular fungi from the assembled chromosomes of the mushroom *Coprinopsis cinerea* (*Coprinus cinereus*). *Proc Natl Acad Sci U S A* 107(26):11889–11894. doi:10.1073/pnas.1003391107.
34. Ohm, R. A., de Jong, J. F., Lugones, L. G., Aerts, A., Kothe, E., **Stajich, J. E.**, de Vries, R. P., Record, E., Levasseur, A., Baker, S. E., Bartholomew, K. A., Coutinho, P. M., Fowler, T. J., Gathman, A. C., Lombard, V., Henrissat, B., Knabe, N., Kües, U., Lilly, W. W., Lindquist, E., Lucas, S., Magnuson, J. K., Piumi, F., Raudaskoski, M., Salamov, A., Schmutz, J., Schwarze, F. W., vanKuyk, P. A., Horton, J. S., Grigoriev, I. V., and Wösten, H. A. 2010. Genomic sequence of the wood-rotting *Schizophyllum commune* strain H4-8: a model mushroom system. *Nature Biotech* 28:957–963. doi:10.1038/nbt.1643.
35. Strandberg, R., Nygren, K., Menkis, A., James, T. Y., Wik, L., **Stajich, J. E.**, and Johannesson, H. 2010. Conflict between reproductive gene trees and species phylogeny among outcrossing members of the filamentous ascomycete genus *Neurospora*. *Fungal Genetics & Biology* 11(7):869–878. doi:10.1016/j.fgb.2010.06.008.

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38. Burns, C., **Stajich, J. E.**, Rechtsteiner, A., Hanlon, S. E., Wilke, S. K., Palmerini, H. J., Savitsky, O. P., Gathman, A. C., Lilly, W. W., Lieb, J. D., Zolan, M. E., and Pukkila, P. J. 2010. Analysis of the basidiomycete *Coprinopsis cinerea* reveals conservation of the core meiotic expression program over half a billion years of evolution. *PLoS Genetics* 6(9):e1001135. doi:10.1371/journal.pgen.1001135.
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41. Joneson, S., **Stajich, J. E.**, Shiu, S.-H., and Rosenblum, E. B. 2011. Genomic transition to pathogenicity in chytrid fungi. *PLoS Pathog* 7(11):e1002338. doi:10.1371/journal.ppat.1002338.
42. **Stajich, J. E.**, Harris, T., Brunk, B. P., Brestelli, J., Fischer, S., Harb, O. S., Kissinger, J. C., Li, W., Nayak, V., Pinney, D. F., Stoeckert, C. J., Jr, and Roos, D. S. 2012. FungiDB: an integrated functional genomics database for fungi. *Nucleic Acids Res* 40(D1):D675–D681. doi:10.1093/nar/gkr918.
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108. Coleine, C., **Stajich**, J. E., Pombubpa, N., Zucconi, L., Onofri, S., Canini, F., and Selbmann, L. 2019. Altitude and fungal diversity influence the structure of Antarctic cryptoendolithic Bacteria communities. *Environmental Microbiology Reports* 11(5):718–726. doi:10.1111/1758-2229.12788.
109. Wang, Y., Youssef, N., Couger, M., Hanafy, R., Elshahed, M., and **Stajich**, J. E. 2019. Molecular dating of the emergence of anaerobic rumen fungi and the impact of laterally acquired genes. *mSystems* 4(4):e00247–19. doi:10.1128/mSystems.00247-19.
110. Kowalski, C. H., Kerkaert, J. D., Liu, K.-W., Nadell, C. D., **Stajich**, J. E., and Cramer, R. A. 2019. *Aspergillus fumigatus* Colony Biofilm Morphology Impacts Hypoxia Fitness, Inflammation, and Disease Progression. *Nature Microbiology* 4(12):2430–2441. doi:10.1038/s41564-019-0558-7.
111. Carrillo, J. D., Rugman-Jones, P. F., Husein, D., **Stajich**, J. E., Kasson, M. T., Carrillo, D., Stouthamer, R., and Eskalen, A. 2019. Members of the *Euwallacea fornicatus* species complex exhibit promiscuous mutualism with ambrosia fungi in taiwan. *Fungal Genetics and Biology* 133:103269. doi:10.1016/j.fgb.2019.103269.
112. Uehling, J., Entler, M., Meredith, H., Millet, L., Timm, C., Aufrecht, J., G Bonito, J. L., N Engle, Doktycz, M., Retterer, S., Spatafora, J. W., **Stajich**, J. E., Tschaplinski, T., and Vilgalys, R. 2019. Microfluidics and metabolomics reveal symbiotic bacterial-fungal interactions between *Mortierella elongata* and *Burkholderia* include metabolite exchange. *Front Microbiol* 10:2163. doi:10.3389/fmicb.2019.02163.
113. Odebode, A., Adekunle, A., **Stajich**, J., and Adeonipekun, P. 2020. Airborne fungi spores distribution in various locations in Lagos, Nigeria. *Environmental monitoring and assessment* 192:87. doi:10.1007/s10661-019-8038-3.
114. Carrillo, J. D., Mayorquin, J. S., **Stajich**, J. E., and Eskalen, A. 2020. Probe-based multiplex Real-Time PCR as a diagnostic tool to distinguish distinct fungal symbionts associated with *Euwallacea kuroshio* and *Euwallacea whitfordi* in California. *Plant Disease* 104(1):227–238. doi:10.1094/PDIS-01-19-0201-RE.
115. Knudsen, K., Adams, J. N., Kocourková, J., Wang, Y., Ortáñez, J., and **Stajich**, J. E. 2020. The monophyletic *Sarcogyne canadensis*–*wheeleri* clade, a newly recognized group sister to the European *Acarospora glaucocarpa* group. *The Bryologist* 123(1):11–30. doi:10.1639/0007-2745-123.1.011.
116. Coleine, C., **Stajich**, J. E., Zucconi, L., Onofri, S., and Selbmann, L. 2020. Sun exposure drives Antarctic cryptoendolithic community structure and composition. *Polar Biology* doi:10.1007/s00300-020-02650-1.
117. Coleine, C., Pombubpa, N., Zucconi, L., Onofri, S., **Stajich**, J. E., and Selbmann, L. 2020. Endolithic fungal species markers for harshest conditions in the McMurdo Dry Valleys, Antarctica. *Life* 10(2):E13. doi:10.3390/life10020013.
118. Coleine, C., **Stajich**, J. E., Pombubpa, N., Zucconi, L., Onofri, S., and Selbmann, L. 2020. Sampling strategies to assess microbial diversity of Antarctic cryptoendolithic communities. *Polar Biology* 43:225–235. doi:10.1007/s00300-020-02625-2.
119. Coleine, C., Masonjones, S., Sterflinger, K., Onofri, S., Selbmann, L., and **Stajich**, J. E. 2020. Peculiar genomic traits in the stress-adapted cryptoendolithic Antarctic fungus *Friedmanniomyces endolithicus*. *Fungal Biology* In press. doi:10.1016/j.funbio.2020.01.005.
120. Macias, A. M., Geiser, D. M., **Stajich**, J. E., Lukasik, P., Veloso, C., Bublitz, D. C., Berger, M. C., Boyce, G. R., Hodge, K., and Kasson, M. T. 2020. Evolutionary relationships among *Massospora* spp. (Entomophthorales), obligate pathogens of cicadas. *Mycologia* In Press. doi:10.1101/811836.
121. Yang, C.-T., Vidal-Diez de Ulzurrun, G., Gonçalves, A. P., Lin, H.-C., Chang, C.-W., Huang, T.-Y., Chen, S.-A., Lai, C.-K., Tsai, I. J., Schroeder, F. C., **Stajich**, J. E., and Hsueh, Y.-P. 2020. Natural diversity in the predatory behavior facilitates the establishment of a robust model strain for

nematode-trapping fungi. *Proceedings of the National Academy of Sciences* 117(12):6762–6770. doi:10.1073/pnas.1919726117.

Genome Announcements

1. Coleine, C., Masonjones, S., Selbmann, L., Zucconi, L., Onofri, S., Pacelli, C., and **Stajich**, J. E. 2017. Draft genome sequences of the Antarctic endolithic fungi *Rachicladosporium antarcticum* CCFEE 5527 and *Rachicladosporium* sp. CCFEE 5018. *Genome Announcements* 5. doi:10.1128/genomeA.00397-17.
2. Kasson, M. T., Kasson, L. R., Wickert, K. L., Davis, D. D., and **Stajich**, J. E. 2019. Genome sequence of a lethal vascular wilt fungus, *Verticillium nonalfalfae*, a biological control used against the invasive *Ailanthus altissima*. *Microbiology Resource Announcements* 8. doi:10.1128/MRA.01619-18.
3. Coleine, C., Selbmann, L., Masonjones, S., Onofri, S., Zucconi, L., and **Stajich**, J. E. 2019. Draft genome sequence of an Antarctic isolate of the black yeast fungus *Exophiala mesophila*. *Microbiology Resource Announcements* 8(19):e00142–19. doi:10.1128/MRA.00142-19.
4. de Melo Teixeira, M., Barker, B. M., and **Stajich**, J. E. 2019. Improved reference genome sequence of *Coccidioides immitis* strain WA 211, isolated in Washington State. *Microbial Resource Announcements* 8(33):e00149–19. doi:10.1128/MRA.00149-19.
5. Coleine, C., Albanese, D., Onofri, S., Zucconi, L., Tringe, S. G., Pennacchio, C., Donati, C., **Stajich**, J. E., and Selbmann, L. 2020. Metagenomes in the borderline ecosystems of the Antarctic cryptoendolithic communities. *Microbial Resource Announcements* 9(10):e01599–19. doi:10.1128/MRA.01599-19.
6. Coleine, C., Masonjones, S., Onofri, S., Selbmann, L., and **Stajich**, J. E. 2020. Draft genome sequence of yeast *Rhodotorula* sp. CCFEE 5036, isolated from McMurdo Dry Valleys, Antarctica. *Microbiology Resource Announcements* 9(14). doi:10.1128/MRA.00020-20.

Submitted Manuscripts and Preprints

1. Pombubpa, N., Pietrasiak, N., De Ley, P., and **Stajich**, J. E. 2019. Insights into the desert living skin microbiome: geography, soil depth, and crust type affect biocrust microbial communities and networks in Mojave Desert, USA. *bioRxiv* page 810002. doi:10.1101/810002.
2. Unruh, S. A., Pires, C. A., Zettler, L. W., Erba, L., Grigoriev, I. V., Barry, K. W., Daum, C., Lipzen, A. V., and **Stajich**, J. E. 2019. Shallow genome sequencing for phylogenomics of mycorrhizal fungi from endangered orchids. *Biorxiv* doi:10.1101/862763.
3. Albanese, D., Coleine, C., Rota-Stabelli, O., Onofri, S., Tringe, S., **Stajich**, J. E., Selbmann, L., and Donati, C. 2020. Antarctic cryptoendolithic bacterial lineages of pre-Cambrian origin as proxy for Mars colonization. *Submitted* doi:10.1101/2020.02.27.967604.
4. Carrillo, A. J., Cabrera, I. E., Spasojevic, M., Schacht, P., **Stajich**, J. E., and Borkovich, K. A. 2020. Clustering analysis of large-scale phenotypic data in the model filamentous fungus *Neurospora crassa*. *Submitted*.
5. Collins, C. G., Spasojevic, M. J., Alados, C. L., Aronson, E. L., Benavides, J. C., Cannone, N., Caviezel, C., Grau, O., Guo, H., Kudo, G., Kuhn, N. J., Müllerová, J., Phillips, M. L., Pombubpa, N., Reverchon, F., Shulman, H. B., **Stajich**, J. E., Stokes, A., Weber, S. E., and Diez, J. M. 2020. Global impacts of alpine woody encroachment on soil microbial communities. *Submitted*.
6. Myers, J. M., Bonds, A. E., Clemons, R. A., Thapa, N. A., Simmons, D. R., Carter-House, D., Ortanez, J., Liu, P., Miralles-Durán, A., Longcore, J. E., Bonito, G., **Stajich**, J. E., Spatafora, J. W., Chang, Y., Corrochano, L. M., Gryganskyi, A., Grigoriev, I. V., and James, T. Y. 2020. Survey of early-diverging lineages of fungi reveals abundant and diverse mycoviruses. *Submitted*.

7. Vandepol, N., Liber, J., Desirò, A., Na, H., Kennedy, M., Barry, K., Grigoriev, I. V., Miller, A. N., O'Donnell, K., **Stajich**, J. E., and Bonito, G. 2020. Resolving the Mortierellaceae phylogeny through synthesis of Multi-Locus Sequence Typing (MLST) and phylogenomics. *Submitted*.
8. Tabima, J. F., Trautman, I. A., Chang, Y., Wang, Y., Mondo, S. J., Salamov, A., Grigoriev, I. V., **Stajich**, J. E., and Spatafora, J. W. 2020. Phylogenomic analyses of non-dikarya fungi supports horizontal gene transfer driving diversification of secondary metabolism in the amphibian gastrointestinal symbiont, *Basidiobolus*. *bioRxiv* doi:10.1101/2020.04.08.030916.

Reviews (Refereed)

1. **Stajich**, J. E. and Lapp, H. 2006. Open source tools and toolkits for bioinformatics: significance, and where are we? *Brief Bioinform* 7(3):287–296. doi:10.1093/bib/bbl026.
2. **Stajich**, J. E., Berbee, M. L., Blackwell, M., Hibbet, D. S., James, T. Y., Spatafora, J. W., and Taylor, J. W. 2009. The Fungi. *Current Biol* 19(18):R840–R845. doi:10.1016/j.cub.2009.07.004.
3. Rosenblum, E. B., Voyles, J., Porten, T. J., and **Stajich**, J. E. 2010. The deadly chytrid fungus: a story of an emerging pathogen. *PLoS Pathogens* 6(1):e1000550. doi:10.1371/journal.ppat.1000550.
4. Rosenblum, E. B., Fisher, M. C., James, T. Y., **Stajich**, J. E., Longcore, J. E., Gentry, L. R., and Porten, T. J. 2010. A molecular perspective on the biology of the emerging pathogen *Batrachochytrium dendrobatidis*. *Diseases of Aquatic Organisms* 92(2-3):131–147. doi:10.3354/dao02179.
5. Hibbett, D. S., **Stajich**, J. E., and Spatafora, J. W. 2013. Toward genome-enabled mycology. *Mycologia* 105(6):1339–1349. doi:10.3852/13-196.
6. Amend, A., Burgaud, G., Cunliffe, M., Edgcomb, V. P., Ettinger, C. L., Gutiérrez, M. H., Heitman, J., Hom, E. F. Y., Ianiri, G., Jones, A. C., Kagami, M., Picard, K. T., Quandt, C. A., Raghukumar, S., Riquelme, M., **Stajich**, J., Vargas-Muñiz, J., Walker, A. K., Yarden, O., and Gladfelter, A. S. 2019. Fungi in the marine environment: Open questions and unsolved problems. *mBio* 10. ISSN 2150-7511. doi:10.1128/mBio.01189-18.
7. Warren, S. D., Clair, L. L. S., Stark, L. R., Lewis, L. A., Pombubpa, N., Kurbessoian, T., **Stajich**, J. E., and Aanderud, Z. T. 2019. Reproduction and dispersal of biological soil crust organisms. *Frontiers In Ecology & Evolution* 7:344. doi:10.3389/fevo.2019.00344.
8. James, T. Y., **Stajich**, J. E., Hittinger, C. T., and Rokas, A. 2020. Towards a fully resolved fungal tree of life. *Annual Reviews of Microbiology In Press*.
9. Fisher, M. C., Gurr, S. J., Cuomo, C. A., Bleher, D. S., Jin, H., Stukenbrock, E. H., **Stajich**, J. E., Kahmann, R., Boone, C., Denning, D. W., Gow, N. A. R., Klein, B. S., Kronstad, J. W., Sheppard, D. C., Taylor, J. W., Wright, G. D., Heitman, J., Casadevall, A., and Cowen, L. E. 2020. Threats posed by the Fungal Kingdom to humans, wildlife, and agriculture. *mBio In Press*.

Books and Book Chapters

1. Coghlan, A., **Stajich**, J. E., and Harris, T. W. 2006. Comparative genomics in *C. elegans*, *C. briggsae*, and other *Caenorhabditis* species. *Methods Mol Biol* 351:13–29. doi:10.1385/1-59745-151-7:13.
2. **Stajich**, J. E. and Dietrich, F. S. 2006. Genomic perspectives on the fungal kingdom. In J. Heitman, S. G. Filler, J. E. Edwards Jr, and A. P. Mitchell, editors, *Molecular principles of fungal pathogenesis*, pages 657–666. ASM press.
3. **Stajich**, J. E. 2007. An introduction to BioPerl. *Methods Mol Biol* 406:535–548.
4. Edwards, D., **Stajich**, J. E., and Hansen, D., editors. 2009. *Bioinformatics*. Springer, NY.

5. McKay, S. J., Vergara, I. A., and **Stajich**, J. E. 2010. Using the Generic Synteny Browser (GBrowse_syn). *Curr Protoc Bioinformatics* Chapter 9:Unit9.12. doi:10.1002/0471250953.bi0912s31.
6. Fisher, M. C., **Stajich**, J. E., and Farrer, R. A. 2012. Emergence of the chytrid fungus *Batrachochytrium dendrobatidis* and global amphibian declines. In D. Sibley, B. Howlett, and J. Heitman, editors, *Evolution of Virulence in Eukaryotic Microbes*. Wiley Blackwell.
7. **Stajich**, J. E. 2013. Comparative genomics. In J. Losos, D. Baum, D. J. Futuyma, H. Hoekstra, R. Lenski, A. Moore, D. Schluter, and M. Whitlock, editors, *The Princeton Guide to Evolution*. Princeton University Press.
8. **Stajich**, J. E. 2015. Phylogenomics enabling genome based mycology. In D. J. McLaughlin, M. Blackwell, and J. W. Spatafora, editors, *The Mycota VII, Systematics and Evolution*. Springer.
9. Spatafora, J. W., Aime, M. C., Grigoriev, I. V., Martin, F., **Stajich**, J. E., and Blackwell, M. 2017. *The Fungal Tree of Life: From Molecular Systematics to Genome-Scale Phylogenies*, chapter 1, pages 1–34. John Wiley & Sons, Ltd. doi:10.1128/9781555819583.ch1.
10. **Stajich**, J. E. 2017. Fungal genomes and insights into the evolution of the kingdom. *Microbiology spectrum* 5(4). doi:10.1128/microbiolspec.FUNK-0055-2016.

Meeting and Technical Reports

1. Lapp, H., Bala, S., Balhoff, J., Bouck, A., Goto, N., Holder, M., Holland, R., Holloway, A., Katayama, T., Lewis, P. O., Mackey, A. J., Osborne, B. I., Piel, W. H., Kosakovsky Pond, S. L., Poon, A., Qiu, W., **Stajich**, J. E., Stoltzfus, A., Thierer, T., Vilella, A. J., Vos, R. A., Zmasek, C., Zwickl, D., and Vision, T. J. 2007. The 2006 NESCent Phyloinformatics Hackathon: A field report. *Evolutionary Bioinformatics Online* 3:357–366.
2. Bates, S. T., Ahrendt, S., Bik, H., Bruns, T. D., Caparaso, J., Cole, J., Dwan, M., Fierer, N., Gu, D., Houston, S., Knight, R., Leff, J., Lewis, C., McDonald, D., Nilsson, H., Porras-Alfaro, A., Robert, V., Schoch, C., Scott, J., Taylor, D. L., Wegener-Parfrey, L., and **Stajich**, J. E. 2013. Meeting Report: Fungal ITS Workshop (October 2012). *SIGS* 8:118–23.
3. Glass, E. M., Dribinsky, Y., Yilmaz, P., Levin, H., Van Pelt, R., Wendel, D., Wilke, A., Eisen, J. A., Huse, S., Shipanova, A., Sogin, M., **Stajich**, J., Knight, R., Meyer, F., and Schriml, L. M. 2014. MlXs-BE: a MlXs extension defining a minimum information standard for sequence data from the built environment. *ISME J* 8(1):1–3. doi:10.1038/ismej.2013.176.
4. Kennedy, P. and **Stajich**, J. E. 2015. Twenty-first century mycology: a diverse, collaborative, and highly relevant science. *New Phytol* 205(1):23–26. doi:10.1111/nph.13165.
5. Momany, M., Di Pietro, A., Alexander, W. G., Barker, B. M., Harb, O. S., Kamoun, S., Martin, F., Pires, J. C., **Stajich**, J. E., Thomma, B. P. H. J., and Unruh, S. 2015. Meeting Report: Fungal Genomics Meets Social Media: Highlights of the 28th Fungal Genetics Conference at Asilomar. *G3: Genes|Genomes|Genetics* 5(12):2523–2525. doi:10.1534/g3.115.024158.
6. Gaya, E., Kooijia, P., Dentinger, B. T. M., Grigoriev, I. V., Nagy, L., **Stajich**, J. E., Coker, T., and Leitch, I. J. 2018. *State of the World's Fungi. Report*, chapter Fungal tree of life., pages 12–17. Royal Botanic Gardens, Kew.
7. Pombubpa, N., Kurbessoian, T., **Stajich**, J. E., and Pietrasiak, N. 2019. Exploring the microbial diversity in biological soil crusts at Joshua Tree National Park. *Joshua Tree Science Updates In Press*.
8. Baltrus, D. A., Cuomo, C. A., Dennehy, J. J., Dunning Hotopp, J. C., Maresca, J. A., Newton, I. L. G., Rasko, D. A., Rokas, A., Roux, S., and **Stajich**, J. E. 2019. Future-proofing your *Microbiology Resource Announcements* genome assembly for reproducibility and clarity. *Microbiology Resource Announcements* 8(36):e00954–19. ISSN 2576-098X. doi:10.1128/MRA.00954-19.

Commentaries and Book Reviews

1. **Stajich, J. E.** 2009. Review of Bioinformatics, Volume I: Data, Sequence Analysis and Evolution; Volume II: Structure, Function and Applications. *The Quarterly Review of Biology* 84(3):284–285. doi:10.1086/644662. Book Review.
2. **Stajich, J. E.** 2011. Review of cellular and molecular biology of filamentous fungi. *The Quarterly Review of Biology* 86(1):59–59. doi:10.1086/658451. Book Review.
3. **Stajich, J. E.** 2016. Fungal Evolution: *Mucor* and *Phycomyces* see double. *Curr Biol* 26(16):R775–R777. doi:10.1016/j.cub.2016.06.049.
4. Valent, B., Farman, M., Tosa, Y., Begerow, D., Fournier, E., Gladieux, P., Islam, M. T., Kamoun, S., Kemler, M., Kohn, L. M., Lebrun, M.-H., **Stajich, J. E.**, Talbot, N. J., Terauchi, R., Tharreau, D., and Zhang, N. 2019. *Pyricularia graminis-tritici* is not the correct species name for the wheat blast fungus: response to Ceresini *et al.* (mpp 20:2). *Molecular Plant Pathology* 20:173–179. doi: 10.1111/mpp.12778.

Essays

1. **Stajich, J. E.** 2014. Top 5 real wolves of wall street. <http://nautil.us/issue/10/mergers--acquisitions/top-5-real-wolves-of-wall-street>. "Moldy Monopolies" and "Creepy Crawly Conglomerate" in the "Mergers & Acquisitions" issue.

Software and other Products

BioPerl - <http://bioperl.org> - Core developer
 Github <http://github.com/hyphal-tip> - individual projects
 Github <http://github.com/stajichlab> - lab projects
 Github <http://github.com/1KFG> - 1000 Fungal genomes project
 Github <http://github.com/zygolife> - ZyGoLife NSF project and associated phylogenomics
 Website: <http://1000.fungalgenomes.org> - 1KFG project
 Website: <http://zygolife.org> - NSF ZygoLife
 Website: <http://dynamiterice.org> - NSF Rice Transposable Element project
 Website: <http://fungalgenomes.org/blog> - “The Hyphal Tip” A Blog I write about Fungal Genomics
 Website & Database (Collaboration): <http://fungidb.org>

Grant Support:

Ongoing support

2011-2017	National Science Foundation. IOS-1027542. (No Cost Ext thru 02/2021) “CPGS: Genome-wide impact of <i>mPing</i> transposition on rice phenotypic diversity.” Role: Co-I. PI: SR Wessler (UC Riverside). http://dynamiterice.org
2015-2018	National Science Foundation. GO Life DEB-1441715. (No Cost Ext thru 08/2020) “Collaborative Research: The Zygomycetes Genealogy of Life (ZyGoLife)- the conundrum of Kingdom Fungi” Role: PI. Collaborative linked award with 3 other PIs and 12 collaborating labs: J Spatafora (Oregon State), TY James (U Michigan), R Robertson (Arizona State) http://zygolife.org
2017-2020	Univ of California-Office of the President, MRPI. “UC Valley Fever Research Initiative” Role: Co-PI. PI: Anita Sil (UCSF) and Co-PIs at UC Berkeley, UC Merced, UC San Diego
2017-2021	National Institutes of Health. R01-AI127548-01A1 “Evolved Heterogeneity contributes to chronic fungal lung infections” Role: Senior Personnel. PI: D Hogan (Dartmouth)

2017-2022	National Institutes of Health. R01-AI130128-01A1 "Evolution of <i>Aspergillus fumigatus</i> virulence" Role: Senior Personnel. PI: RA Cramer, Jr (Dartmouth)
2019-2021	National Institutes of Health. R15-GM132869 "Understanding The Mechanisms Of Spatial Protein Quality Control In A Model Filamentous Fungus" Role: Senior Personnel. PI: Egans, M (U Arkansas)
2019-2022	Univ of California-Office of the President "Investigating fundamental gaps in Valley Fever research" Role: Co-PI. PI: Anita Sil (UCSF) and Co-PIs at UC Berkeley, UC Davis, UC Merced, UC San Diego
2019-2020	City of Hope / Univ of California-Riverside "Antifungal drug resistance in Southern California: Discovery of novel mechanisms by genomics and proteomics." Role: PI with Co-PIs M Kalkum and S Dadwal at City of Hope Hospital
2019-2024	Canadian Institute For Advanced Research "Fungal Kingdom: Threats and Opportunities" Role: CIFAR Fellow. PI/Directors: L Cowen and J Heitman
2020-201	Canadian Institute For Advanced Research "Pilot investigation of avian-origin <i>Aspergillus fumigatus</i> infections in the United States" Role: PI. Co-PI: David Blehert, National Wildlife Health Center, USGS
2020-2023	Gordon and Betty Moore Foundation "New Tools for Advancing Model Systems in Aquatic Symbiosis" Role: Co-PI. PI: Lillian Fritz-Laylin. With Co-PI Tim James
2020	Burroughs Wellcome Fund. "Meeting grant to support 2020 Fungal Cellular and Molecular Biology Gordon Research Conference" Role: PI.
Completed support	
2010-2013	Burroughs Wellcome Fund. "FungiDB: A Pan Fungal Genome Database". Role: Co-I. PI: DS Roos (U Pennsylvania)
2011-2012	UC Riverside, Chancellor's Strategic Investment Funds. "Coelomomyces Genomics for Mosquito Vector Control" Role: Co-I. PI: B Federici. Co-I: A Ray (UC Riverside)
2013-2014	UC Riverside, Office of Research Strategic Investment Funds. "High-throughput synthetic biology for natural products discovery" Role: Co-I. PI: K Borkovich. Co-I: C Larive (UC Riverside)
2013-2014	National Institutes of Health - 1-R03-AI105636-01. "Annotation of <i>Cryptococcus</i> genomes by comprehensive curation of published literature" Role: PI. Co-I G Sherlock (Stanford)
2011-2014	Alfred P. Sloan Foundation. "MoBe DAC: A data coordinating center for the Sloan Indoor Environment Metagenomic Project - Fungal resources". Role: PI. Linked grants with F Meyer (U Chicago/ANL), R Knight (U Colorado), M Sogin (Marine Biological Lab).
2014-2015	National Science Foundation. DBI-1429826. "MRI: Acquisition of a Big Data Compute Cluster for Interdisciplinary Research" Role: Co PI. PI T Girke. Co-Is J Bailey-Serres, M Allen, and S Lonardi (UCR)
2014-2017	National Institutes of Health - 1-R01-GM108492-01. "Dynamics of bacterial-fungal interactions in chronic lung infections"

2011-2016 Role: Co-I. PI: D Hogan (Dartmouth)
W.M. Keck Foundation. (No Cost Extension thru 2018)
"New Active Transposable Elements for Mosquito Genetics."
2017 Role: Co-I. PI: SR Wessler (UC Riverside). Co-I: P Atkinson (UC Riverside).
Burroughs Wellcome Fund.
"Meeting grant to support Fungal Cell Wall (FCW2017) Conference in Ensenada, Mexico"
Role: PI.
2016-2019 National Science Foundation. DEB-1557110. (No Cost Ext thru 04/2020)
"Collaborative Research: Phylogenomics and evolutionary history of the anaerobic fungal group, Neocallimastigomycota"
Role: PI. Collaborative linked award PI: N Youssef (Oklahoma State)

Service:

University and Departmental

2020-2022 Chair, UC Riverside Academic Senate (starting Sept 2020)
2017-2020 UC Riverside Graduate Council. Chair & member of Senate Executive Council (2018-2020).
2015- Director, Microbiology Graduate Program (except Sabbatical 2016-17)
2014-2015, 2018- Graduate Advisor, Microbiology Graduate Program
2015-16, 2017-2018 Admissions Advisor, Microbiology Graduate Program

Editorial Boards

2019- Associate Editor, Genome Biology & Evolution
2019- Associate Editor, Mycologia
2018- Senior Editor, Microbial Resource Announcements
2018- Associate Editor, Genetics
2016- Editorial Board, Current Opinion in Microbiology
2015-2019 Associate Editor, Microbial Genomics
2014- Associate Editor, Fungal Genetics & Biology
2013, 2015 Guest Associate Editor, PLoS Genetics
2013 Guest Associate Editor, Mycologia
2011-2016 Faculty Member in Microbial Genetics & Genomics, Faculty of 1000
2010-2015 Editorial Board, Eukaryotic Cell.
2009-2016 Section Editor, PLoS One.
2007-2016 Academic Editor, PLoS One.

Professional Service

2018-2022 Co-Chair (2020, moved to 2022) of Cellular and Molecular Fungal Biology, Gordon Research Conference; Co-Vice Chair (2018).
2017-2020 Karling Lecture Committee, Mycologia Society of America (Chair 2019-2020)
2018-2021 Councilor for Cell Biology & Physiology. Mycological Society of America.
2014-2018 Neurospora Policy Committee, Co-Organized 2016 Neurospora conference
2013-2019 Fungal Genetics Policy Committee
2012- Scientific advisory board, Plant Microbe Interactions - DOE Science Focus Area, Oak Ridge National Laboratory
2012-2018 Scientific advisory board, WormBase
2012-2015 Scientific advisory board, Ensembl Genomes
2010-2012 Councilor for Genetics & Molecular Biology, Mycological Society of America
2009-2010 Advisory Board for Genomic Encyclopedia of Fungi, Joint Genome Institute, US Department of Energy.
2009-2010 Pan-Fungal Database Steering Committee for Burroughs Wellcome Fund.
2007-2009 Scientific advisory board NSF Computer Science Education Revitalization (PI Owen Astrachan,

- Duke University)
- 2005–2008 Scientific advisory committee Information Technology and Computing infrastructure, National Center for Evolutionary Synthesis (NESCent).
- 2005–2011 President and Board Member [2005–2014], Open Bioinformatics Foundation <http://www.open-bio.org/>
- 2001–2015 Co-Project leader, BioPerl. <http://www.bioperl.org/>

Membership in Professional Societies:

- 2015– American Academy of Arts and Sciences
- 2007– Mycological Society of America
- 2007– American Society for Microbiology, Fellow (2020)
- 2004– Genetics Society of America
- 2004– Society for Molecular Biology and Evolution
- 2002– Open Bioinformatics Foundation
- 2002– International Society for Computational Biology

Graduate Students:

- 2009–13 PhD student, Divya Sain. Genetics, Genomics, & Bioinformatics.
Current: Bioinformatics Scientist at Ambry Genetics.
- 2010–12 MS student, Yi (Zoe) Zhou. Genetics, Genomics, & Bioinformatics.
Current: Biostatistician at dMed Biopharmaceutical Co.
- 2010–14 PhD student, Yizhou Wang. Plant Biology.
Current: Research Bioinformatician and Associate Director at Applied Genomics, Computation & Translational Core, Cedars-Sinai.
- 2011–15 PhD student, Steven Ahrendt. Genetics, Genomics, & Bioinformatics.
Current: Data Scientist at DOE Joint Genome Institute.
- 2016–19 PhD Student, Derreck Carter-House. Plant Pathology.
Current: Postdoc, UC Riverside
- 2015– PhD Student, Sawyer Masonjones. Genetics, Genomics, & Bioinformatics
- 2015– PhD Student, Nuttapom Pombubpa. Plant Pathology
- 2016– PhD Student, Jesús Peña, Microbiology
- 2017– PhD Student, Julia Adams, Plant Biology
- 2017– PhD Student, Tania Kurbessoian, Microbiology
- 2020– PhD Student, Talieh Ostovar, Evolutionary Biology, San Diego State - UCR Joint Doctoral Program

Postdoctoral Fellows:

- 2010–2011 John Abramyan, Ph.D.
Current: Assistant Professor, Univ of Michigan-Dearborn
- 2011–2014 Sofia Robb, Ph.D.
Current: Genomics Scientist at Stowers Institute.
- 2012–2014 Brad Cavinder, Ph.D.
Current: Research Associate at Michigan State University
- 2012–2015 Peng Liu, Ph.D.
Current: Research Associate, Yangzhou University, CHINA
- 2013–2019 Jinfeng Chen, Ph.D.
Current: Staff Scientist, City of Hope, CA
- 2013–2015 Ousmane Cissé, Ph.D. - Swiss National Science Foundation Fellow.
Current: Staff Scientist at Critical Care Department, NIH Clinical Center.
- 2014–2015 Rodrigo Olarte, Ph.D.

2017–19 Current: NSF Postdoctoral Fellow at Univ of Minnesota.
Yan Wang, Ph.D.
Current: Assistant Professor, University of Toronto-Scarborough.
2019– Lotus Lofgren, Ph.D.
2020– Ying Sun, Ph.D.

Visitors:

2010–2013 (4, 2-3 month vists) Anastasia Gioti, PhD, Dept of Evolution Biology, Uppsala University, SWE-DEN
2010 Suzanne Joneson, PhD, Department of Biology, University of Idaho
2011 Edgar Medina Tovar, MSc Mycology and Phytopathology Lab, Universidad de Los Andes, Bogota, COLOMBIA
2012 Andrii Gryganski, PhD, Visiting Researcher, Duke University
2013–2014 Venkatesh Moktali, PhD, FungiDB Project, Visiting Research Fellow, Oregon State University
2014 Raúl Castanera Andrés, Visiting Graduate Student, Universidad Pública de Navarra, Pamplona, SPAIN
2015 Natalie Vande Pol, Visiting Graduate Student (Bonito Lab), Michigan State University
2015–2016 Zhinquan Song, Visiting Graduate Student (Guangyi Wang Lab), Tianjin University, CHINA
2015 John Yinka Odebode, Visiting Graduate Student on a West African Research Association Fellowship, University of Lagos, NIGERIA.
2015 Marco Marconi, Visiting Graduate Student, Universidad Politécnica de Madrid, Madrid, SPAIN
2015–2016 Claudia Coleine, Visiting Graduate Student, Università degli Studi della Tuscia, Viterbo, ITALY
2017 Jane Lind Nybo, Visiting Graduate Student, Technical University of Denmark, Copenhagen, DENMARK
2019 Guillermo Vidal-Diez de Ulzurrun, Visiting Postdoc scientist, IMB, Academia Sinica, Taipei, Taiwan
2019–2020 Felipe Salgado, Federal University of Rio de Janeiro, BRAZIL.
2020– Omar Valencia, Volunteer.

Staff:

2011–2012 Daniel Borcharding, Programmer (FungiDB).
Current: Senior Software Build Engineer, Apple, Inc.
2011–2013 Raghuraman Ramamurthy, Programmer (FungiDB).
Current: Senior Bioinformatics Associate, Gilead Sciences.
2013–2014 Venkatesh Moktali, Bioinformatics Scientist (FungiDB).
Current: Product Manager, Thermo Fisher Scientific.
2017–2018 Jericho Ortanez, Junior Specialist. Current: Graduate Student, UC Riverside

Teaching:

2010,2012 BIO5C - Introductory Ecology & Evolution
2011 BIO20 - The Dynamic Genome - Research module for *Neurospora* research
2011,2013 GEN240B - Tools for Bioinformatics and Genome Analysis
2015 MCBL124 - Microbial Pathogenesis
2011–2016 MCBL211 - Microbial Ecology
2012-2015 MCBL202 - Microbial Pathogenesis & Physiology
2012– GEN220 - Computational Analysis of High Throughput Biological Data <http://biodataprogram.github.io/>
2016– BIO119 - Introduction to Genomics and Bioinformatics

Undergraduate Researchers:

2010–	Sponsor for summer research students in MARCU, STEM, and CAMP programs at UCR.
2010–2012	Jessica De Anda, UCR. STEM grant participant (2010); MARC USTAR student 2010-12. Current: Career Development Coordinator at Unitek College
2010–2011	Annie Nguyen, UCR.
2011–2012	Carlos Rojas Torres, UCR. CAMP (2011); lab researcher. Current: Gilead Pharmaceuticals.
2011	Ramy Wissa, UCR. Pre-MARC USTAR Summer student.
2011–2012	Lorena Rivera, UCR. Pre-MARC USTAR student (2011); lab researcher, CNAS Dean's Fellow Summer Undergraduate Research (Summer 2012)
2012–2014	Erum Khan, UCR.
2012–2014	Sapphire Ear, UCR. Current: MD student at UCSF
2012–2014	Megna Tiwari, UCR. Current: PhD student at Univ of Georgia
2013–2014	Dylan McVay, UCR.
2013–2016	Na Jeong, UCR, Summer RISE Scholar (2013) and lab researcher
2014	Spencer Swansen, Summer NSF REU student (Seattle Pacific University)
2015–2017	Justin Shen, UCR.
2015–2016	Serena Choi, UCR.
2015–2017	Dillon McDonald, UCR Summer HSI-STEM (2015) and lab researcher
2015	Christina Uriarte, UCR. Pre-MARC USTAR student.
2015–2017	Jericho Ortanez, UCR. Current: PhD student UCR Microbiology
2015–2016	Leandra Ibrahim, UCR.
2015–2017	Deane Kim, UCR.
2016–2017	Georgiy Smirnov, UCR.
2016–2018	Meng (Josh) Chung, UCR.
2017–2019	Estefania Caldera, UCR.
2018	Lily Bautista, UCR.
2018–	Renata Haro, UCR.
2018–	Skylar McDonald, UCR.
2019	Saisuki Putumbaka, The College of New Jersey, Summer REU student.
2019–	Nicole Leung, UCR.

Dissertation committees:

2011	Sourav Roy, PhD, GGB Yi Zhou, MS, GGB ★
2012	Andrew Defries, PhD, Plant Sciences
2013	Gilbert Uribe, MS, Plant Pathology Divya Sain, PhD, GGB ★
2014	Yizhou Wang, PhD, Plant Sciences ★ Zhigang Wu, PhD, GGB
2015	Presha Shah, PhD, Biochemistry Ming Wang, PhD, Plant Pathology Steven Ahrendt, PhD, GGB ★ Ilva Cabrera, PhD, GGB Jinfeng Lu, PhD, GGB James Ricci, MS, Entomology
2016	Ryan Arvidson, PhD, Biochemistry Francis Na, MS, Microbiology Jishu Ha, PhD, GGB Arit Gosh, PhD, GGB Kelsey Gano, PhD, Microbiology Kun Liu, PhD, Plant Biology

2017	Raissa Green, PhD, GGB Amelia Lindsey, PhD, Entomology Patrick Schriener, PhD, GGB Eric Smith, PhD, GGB Katherine Picard, Univ Prog in Genetics & Genomics (Duke University) Eric Gordon, Entomology
2018	Cynthia Dick, EEOB Dan Vanderpool, Biology (University of Montana) Steven Bolaris, GGB △
2019	Joseph Carrillo, Plant Pathology △ Dinusha Maheepala Mudalige, Plant Biology Aaron Robinson, Biology (University of New Mexico) Courtney Collins, Plant Biology Edgar Medina, Genetics & Genomics (Duke University) Lluvia Vargas, Microbiología (CICESE, MEXICO) Derreck Carter-House, Plant Pathology ★ Nathan Robinett, Evolutionary Biology, Joint Doctoral Prog. SDSU-UCR
2020 ongoing	Andrea Vu, Plant Pathology Nuttapon Pombubpa, Plant Pathology ★ Sawyer Masonjones, GGB ★ Jesús Peña, Microbiology ★ Julia Adams, Plant Biology ★ Tania Kurbessoian, Microbiology ★ Nicole Ginnan, Plant Pathology Beth Peacock, Plant Pathology Caleb Hubbard, Medical and Veterinary Entomology Alex Rajewski, Plant Biology Glen Morrison, Plant Biology Mari West, Entomology Yi Huang, Plant Biology Christopher Ficus, GGB Shannon Lynch, Environmental Studies (Univ of California-Santa Cruz) Glen Morrison, Plant Biology Hannah Schulman, Microbiology Sarah Thorwall, Chemical and Environmental Engineering Samantha Smith, Entomology

★ Stajich is Dissertation advisor or △ co-advisor / substitute

Invited Seminars and conference presentations (2015–Present)

- 2019 · Phylogenomics Workshop, Cesky Krumlov, Czech Republic
- Middle Tennessee State University, Murfreesboro, TN
- Rosie Perez Memorial Seminar, North Carolina State University, Raleigh, NC
- University of North Carolina, Chapel Hill, NC
- California State University, Northridge, CA
- 2018 · UC Riverside Data Science Series. Riverside, CA
- University of Nebraska-Lincoln, Lincoln, NE
- Creighton University, Omaha, NE
- Marine Fungi Workshop. Marine Biological Lab, Woods Hole, MA.
- 11th International Mycological Congress. San Juan, Puerto Rico
- CIFAR workshop "Microbial Pathogens in the Fungal Kingdom". Toronto, Ontario, CANADA

- 2017 · Oregon State University. Corvallis, OR
- 29th Fungal Genetics Conference. *Plenary Speaker*. Pacific Grove, CA.
- Oomycete Molecular Genetics Network. *Plenary Speaker*. Pacific Grove, CA
- Population Genomics of Oomycete and Fungal Pathogens. Ascona, Switzerland
- American Society of Microbiology Microbe Meeting. New Orleans, LA
- FASEB Microbial Pathogenesis. Aspen, CO.
- Mycological Society of America 2017 Meeting. Athens, GA
- American Academy of Microbiology Colloquium on Fungal Pathogenesis. Washington, DC
- Fungal Cell Wall Conference. Ensenada, Mexico
- Whetzel-Westcott-Dimock Special Lecturer, Cornell University, Ithaca, NY
- 2016 · Mycological Society of America 2016 Meeting. Berkeley, CA.
- CIFAR Integrated Microbial Biodiversity Program. Toronto, ON, CANADA.
- 13th European Fungal Genetics Conference. Paris, France. *Plenary Speaker*
- Neurospora Conference. Asilomar Conference Center, Pacific Grove, CA.
- Duke University, Durham, NC.
- University of California, Davis, CA.
- University of Exeter. United Kingdom.
- 2015 · EMBO Conference: Genomic complexity and diversity of eukaryotes. Sant Feliu de Guixols, SPAIN.
- XI CONGRESO NACIONAL DE MICOLOGIA, Sociedad Mexicana de Micologia. Merida, Yucatan, MEXICO. *Plenary Speaker*
- University of Arizona, Tucson, AZ.
- Eighth International Conference on Mycorrhiza. Flagstaff, AZ.
- Mycological Society of America 2015 Meeting. Edmonton, AB, CANADA.
- Society for Molecular Biology & Evolution 2015. Vienna, Austria.
- University of California, Los Angeles, CA.
- University of California, Merced, CA.
- 28th Fungal Genetics Conference. Asilomar Conference Center, Pacific Grove, CA.
- Oregon State University, Corvallis, OR.
- Oklahoma State University, Stillwater, OK.

April 17, 2020