

- Cervantes, K., Velasco-Cruz, C., Grauke, L.J., Wang, X., Conner, P., Wells, L., Bock, C.H., Pisani, C., Randall, J.J., 2023. Influence of Geographical Orchard Location on the Microbiome from the Progeny of a Pecan Controlled Cross. *Plants*. 12(2):360.doi: 10.3390/plants12020360.
- Pisani, C., Randall, J.J., and Bock, C. 2022. “Visual Rating and the Use of Image Analysis for Assessing Canopy Foliage Density in a Pecan Provenance Collection During Leaf Fall”, *Journal of Forestry Research*, accepted.
- Clermont, K., Graham, C.J., Lloyd, S.W., Grimm, C.C., Randall, J.J., Mattison C.P., 2022. Proteomic analysis of pecan (*Carya illinoensis*) nut development, *Journal of Agricultural and Food Chemistry*, Submitted.
- Shadgou Rhein, H., Sreedasyam, A., Cooke, P., Velasco-Cruz, C., Grimwood, J., Schmutz, J., Jenkins, J., Kumar, S., Song, M., Heerema, R.J., Grauke, L.J., **Randall, J.J.** 2022. Comparative transcriptome analyses reveal insights into catkin bloom patterns in pecan protogynous and protandrous cultivars, *PLOS Biology*.
- Cervantes, K., Heerema, R.J., **Randall, J.J.**, 2022. The core microbiome of *Carya illinoensis* (pecan) seedlings of different maternal pecan cultivars from the same orchard, *Frontiers in Microbiomes*, <https://doi.org/10.3389/frmbi.2022.1003112>
- . Bock, C.H., Frusso, E., Zoppolo, R., Ortiz, E.R., Shiller, J., Charlton, N.D., Young, C.A., and **Randall, J.J.** 2022. Population genetic characteristics and mating type frequency of *Venturia effusa* from pecan in South America. *Phytopathology* XX: xx. <https://doi.org/10.1094/PHYTO-01-22-0031-R>
- Cervantes, K., Hilton, A.E., Stamler, R.A., Heerema, R.J., Bock, C., Wang, X., Young-Ki, J., Grauke, L.J., **Randall, J.J.** 2022. “Evidence for seed transmission of *Xylella fastidiosa* in pecan (*Carya illinoensis*)”, *Front. Plant Sci.*, <https://doi.org/10.3389/fpls.2022.780335>. 2.
- Bock, C., Charlton, N.D., Shiller, J., **Randall, J.J.**, Young, C.A. 2022. “Population genetic diversity and structure of pecan scab pathogen, *Venturia effusa*, on cv. Desirable and native seedlings, and the impact of marker number”, *Plant Pathology*, <https://doi.org/10.1111/ppa.13551>.
- Lovell, J.T., Bentley, N.B., Bhattarai, G., Jenkins, J.W., Sreedasyam, A., Alarcon, Y., Bock, C., Boston, L., Carlson, J., Cervantes, K., Clermont, K., Krom, N., Kubenka, K., Mamidi, S., Mattison, C., Monteros, M.J., Pisani, C., Plott, C., Rajasekar, S., Shadgou Rhein, H., Rohla, C., Song, M., St. Hilaire, R., Shu, S., Wells, L., Webber, J., Heerema, R.J., Klein, P.E., Wang, X., Grauke, L.J., Grimwood, J., Schmutz, J., and **Randall, J.J.** 2021. “A chromosome-scale pan genome to accelerate breeding in the outbred and diverse tree nut

- crop, pecan.”, Nature Communications, 12, 4125 (2021). <https://doi.org/10.1038/s41467-021-24328-w>.
- Yamagata, H., Noda, K., **Randall, J.J.**, Kamiya, H., Oki, K. 2021. A consecutive monitoring method for pecan orchards and a discovery of a mysterious circle in a pecan orchard using UAV, Optical Review 28, pages 738–744 (2021)
- Randall, J.J.**, Cervantes, K., Ray, D.K., Sanchez, A., Mason, K., Fisk, J.N., Soneji, J.R., Sanchez, L., Grauke, L.J., Wang, X., 2021. “Insights into the impact of geography and genetics on the microbiome of *Carya illinoensis*”. Acta Horticulturae. 10.17660/ActaHortic.2021.1318.34.
- Ishimori, M., Takanashi, H., Fukami, K., Cervantes, K., Nagano, A.J., Kajiya-Kanegae, H., Grauke, L.J., Tsutsumi, N., **Randall, J.J.**, Iwata, H. 2021. “Genome wide RAD-Seq analysis revealed subpopulation structures of the pecan (*Carya illinoensis*) germplasm collection and their relationship to geographical distribution patterns”, Acta Horticulturae. 10.17660/ActaHortic.2021.1318.26
- Thompson, M., **Randall, J.J.**, Heerema, R.J., 2021. “Differential Expression of Key Floral Initiation Genes in Response to Plant Growth Regulator Application and Alternate Bearing in Pecan” Journal of the American Society for Horticultural Science. (Online publish ahead of issue; <https://doi.org/10.21273/JASHS04954-20>).
- Bock, C.H., Alarcon, Y. Conner, P.J., Young, C.A., **Randall, J.J.**, Pisani, C., Grauke, L.J., Wang, X., and Monteros, M.J. 2020. Foliage and fruit susceptibility of a pecan provenance collection to scab, caused by *Venturia effusa*. CABI Agriculture and BioScience 1:19. <https://cabiagbio.biomedcentral.com/articles/10.1186/s43170-020-00020-9>
- Vereecke, D., Fichtner, E., Lambert, P., Cooke, P., Kilcrease, J., Stamler, R.A., Zhang, Y., Francis, I., **Randall, J.J.**, 2020. “Colonization and survival capacities underlying the multi- faceted life of *Rhodococcus* sp. PBTS1 and PBTS2” Plant Pathology 70:3 pg. 567-583 (<https://doi.org/10.1111/ppa.13307>).
- Hilton, A., Wang, X., Zhang, M., Cervantes, K., French, J., **Randall, J.J.**, Bock, C., Grauke, L.J., Jo, Y.K. 2020. “Improved methods for detecting *Xylella fastidiosa* in pecan and related *Carya* species.” European Plant Pathology, 157:899–918 (<https://doi.org/10.1007/s10658-020-02050-5>).
- Wang, X., Shadgou Rhein, H., Jenkins, J., Schmutz, J., Grimwood, J., Grauke, L.J., **Randall, J.J.**, 2020. “Chloroplast genome sequences of *Carya illinoensis* from two distinct geographic populations.” Trees and Genomes, 16:48. (<https://doi.org/10.1007/s11295-020-01436-0>)
- Vereecke, D., Zhang, Y. Francis, I., Lambert, P., Venneman, J., Stamler, R.A., Kilcrease, J., and Randall, J.J. 2020. “Functional genomics insights into the pathogenicity, habitat fitness,

- and mechanisms modifying plant development in *Rhodococcus* sp. PBTS 1 and PBTS 2. *Frontiers of Microbiology*. <https://doi.org/10.3389/fmicb.2020.00014>
- Lujan, P., Dungan, B., Holguin, O., Sanogo, S., Puppala, N., **Randall, J.J.**, 2019. “The role of carbon sources in relation to pathogenicity of *Sclerotinia sclerotiorum* on Valencia peanut”. *Canadian Journal of Plant Science*. <https://doi.org/10.1139/CJPS-2018-0203>.
- Thompson, M.Y., **Randall, J.J.**, Heerema, R.J., VanLeeuwen, D., 2019. “Exogenous Plant Growth Regulators Show Promise for Management of Alternate Bearing in Pecans”. *HortScience* 54(7) pgs. 1204-1207.
- Huang, Y., Xiao, L., Zhang, R., Wang, Z., Zhang, Z., Huang, C., Huang, R., Luan, Y., Fan, T., Wang, J., Shen, C., Zhang, S., Wang, X., **Randall, J.J.**, Zheng, B., Wu, J., Zhang, Q., Xia, G., Xu, C., Chen, M., Zhang, L., Jiang, W., Gao, L., Chen, Z., Leslie, C.A., Grauke, L.J., Huang, J., 2019. “The genomes of pecan and Chinese hickory provide insights into *Carya* evolution and nut nutrition”, *GigaScience*. May 1, 8(5).
- Tuskan, G.A., Groover, A.T., Schmutz, J. DiFazio, S.P., Myburg, A., Grattapaglia, D., Smart, L., Yin, T., Aury, J.M., Kremer, A., Leroy, T., LeProvost, G., Plomion, C., Carlson, J.E., **Randall, J.J.**, Westbrook, J., Grimwood, J., Muchero, W., Jacobson, D., Michener, J.K. 2018. *Hardwood tree genomics: Unlocking woody plant biology*. *Frontiers in Plant Science*. www.frontiersin.org/article/10.3389/fpls.2018.01799, 2018.
- Bock, C.H., Oliver, J.E., Chen, C., Hotchkiss, M.E., Stevenson, K.L., Wang, X., Grauke, L.J., Hilton, A.E., Jo, Y.K., and **Randall, J.J.**, 2018. “Pecan bacterial leaf scorch, caused by *Xylella fastidiosa*, is endemic in Georgia pecan (*Carya illinoensis*) orchards”. *Plant Health Progress*, 19(4), 284-287. doi.org/10.1094/PHP-08-18-0045-S.
- Randall, J.J.**, Stamler, R.A., Kallsen, C.E., Fichtner, E.J., Heerema, R.J., Cooke, P., Francis, I., 2018. “Comment on Evolutionary transitions between beneficial and phytopathogenic *Rhodococcus* challenge disease management”. *eLife* 2018;7:e35272DOI:10.7554/eLife.35272
- Hilton, A. E., Jo, Y.-K., Cervantes, K., Stamler, R. A., French, J., Heerema, R., Goldberg, N. P., Sherman, J. D., Wang, X., **Randall, J. J.**, Grauke, L.J. (2017). First report of Pecan Bacterial Leaf Scorch caused by *Xylella fastidiosa* in Pecan (*Carya illinoensis*) in Arizona, New Mexico, California, and Texas. *Plant Disease*, 101(11), 1949. ^[L]_{SEP}
- Keith, K., Stamler, R. A., **Randall, J. J.**, Perez, K., McDonald, J. A. (2017). *Ipomoea gilana*: A new and endemic morning glory (*Ipomoeae Convolvulaceae*) in the Gila National Forests, New Mexico. *Systematic Botany*, 42(4), 1-5. doi.org/10.1600/036364417X696384
- Stamler, R., Sanogo, S., Goldberg, N.P., and **Randall, J.**, (2016) Identification of *Phytophthora* species in rivers and streams of the Southwestern United States, *Applied and Environmental Microbiology* DOI: 10.1128/AEM.01162-16.

- Stamler, R., Vereecke, D., Zhang, Y., and **Randall, J.**, (2016) Complete Genome and Plasmid sequences for *Rhodococcus fascians* D188 and Draft Sequences for *Rhodococcus* isolates PBTS 1 and PBTS 2. *Genome Announcements* 4(3): e00495-16.
- Lujan, P., Sanogo, S., Puppala, N., and **J. Randall**, (2016) Factors affecting mycelium pigmentation and pathogenicity of *Sclerotinia sclerotiorum* on Valencia peanut. *Canadian Journal of Plant Science* (10.1139/CJPS-2015-0258).
- French, J., Goldberg, N.P., **Randall, J.**, Hanson, S.F., (2016), New Mexico and the Southwestern US are affected by a distinct population of Tomato Spotted Wilt Virus (TSWV strains), *Archives of Virology*, Vol 161, 4:993-998.
- Stamler, R., Heerema, R., **Randall, J.** (2015), First Report of phytopathogenic *Rhodococcus* isolates on Pistachio Bushy Top Syndrome ‘UCB-1’ rootstock in New Mexico, *Plant Disease*, (10.1094/PDIS-04-15-0471-PDN).
- Stamler, R., Kilcrease, J., Fichtner, E., Kallsen, C., Cooke, P., Heerema, R., and **J. Randall**, (2015), First Report of *Rhodococcus* species causing Pistachio Bushy Top Syndrome on ‘UCB-1’ rootstock in California and Arizona, *Plant Disease*, (10.1094/PDIS-12-14-1340-RE).
- Stamler, R., Goldberg, N.P., Sanogo, S., Dungan, B., Holguin, O., Schaub, T., and **J. Randall**, (2015), Metabolomic analysis of Induced resistance from Non-Host *Phytophthora* in *Capsicum annum*, *PLOS ONE*, DOI: 10.1371/journal.pone.0128327.
- Randall, J.**, Heerema, R., Rascon, A., Potter, M., (2015), Molecular Mechanisms of Pecan flower induction, *Acta horticulturae* 1070:89-99.
- French, J.M., Stamler, R.A., **Randall, J.**, and N.P. Goldberg (2011), First report of *Phytophthora nicotianae* on Bulb Onions in the United States, *Plant Disease*, Vol. 95, no. 8, pg. 1028.
- Randall, J.**, French, J., Yao, S., Hanson, S.F., and N.P. Goldberg (2011), First report of *Xylella fastidiosa* in peach in New Mexico, *Plant Disease*, vol. 95, no. 7, pg. 871.
- Randall, J.**, Bosland, P., and S.F. Hanson (2011), Brote Grande, a phytoplasma disease of chile peppers in the desert Southwest, *Plant Health Progress*, February 2011.
- Randall, J.**, Goldberg, N.P., Kemp, J.D., Radionenko, M., French, J.M., Olsen, M.W., and S.F. Hanson (2009), Genetic Analysis of a novel *Xylella fastidiosa* Subspecies found in the Southwestern United States, *Applied and Environmental Microbiology*, Vol. 75 (17), pg. 5631-5638.
- Randall, J.**, Bosland, P., and S.F. Hanson (2009), Brote Grande, a new and noteworthy phytoplasma associated disease of chile peppers, *Plant Disease*, Vol. 93 (9), pg. 968.

Randall, J., Radionenko, M., French, J.M, Goldberg, N.P. and S.F. Hanson, (2007), First report of Pierce's Disease in New Mexico, Plant Health Progress, October 3, 2007.

Randall, J., Radionenko, M., French, J.M., Olsen, M.W., Goldberg, N.P., and S.F. Hanson (2007), First report of *Xylella fastidiosa* in New Mexico, Plant Disease, 91: 329.

Randall, J., Sutton, D.S., Hanson, S.F., and J.D. Kemp (2005), BiP and zein binding domains within the delta-zein protein, Planta, 221: 656-666.

Randall, J., Sutton, D.S., Ghoshroy, S., Bagga, S., and J.D. Kemp (2004), Co-ordinate expression of beta and delta-zeins in transgenic tobacco, Plant Science, 167:267-372.