Michael Kantar
College of Tropical Agriculture and Human Resources
Tropical Plant and Soil Science
FTE Distribution: 30% I; 70% R;

Education

Degree	University	Major
PhD, 2013	University of Minnesota	Plant Breeding/Molecular Genetics
MS, 2008	University of Minnesota	Plant Breeding/Molecular Genetics
BS, 2006	University of Minnesota	Applied Plant Science

Professional Appointments

Title	Employer	Dates Employed
Associate Professor	University of Hawaii at Manoa	2021-current
Assistant Professor	University of Hawaii at Manoa	2016-2021
Postdoctoral Fellow	University of British Columbia	2013-2015
Research Associate	University of Minnesota	2013-2015
Visiting Scholar	International Center for Tropical Agriculture (CIAT)	2014
Fellow	Beaty Biodiversity Museum	2013-2015
Fellow	Forever Green Initiative, University of Minnesota	2012-Current
Visiting Scholar	International Rice Research Institute (IRRI)	2008
Fellow	Leshner Leadership Institute	2018
Fellow	Sencer Water Institute, Honolulu, HI	2018
Fellow	Migal Institute in the Upper Galilee	2019

Courses Taught

NREM 310-Introduction to Statistics (3)
TPSS 333 - Understanding Agroecosystems: Visualization, Interpretation, Analysis, and Application (3)
TPSS 453-Plant Breeding and Genetics (3)
TPSS 416-Introduction to Social, Ethical, and Political Issues Associated with Biotechnology (3)
TPSS 603-Experimental Design (4)
TPSS 615-Quantitative Genomics and Evolution (3)
TPSS 667-Seminar in tropical plant and soil sciences (1)
TPSS 667-World Food Problems: Evaluating Starvation (1)
TPSS 711- Statistics of Time and Space (2)

Publications

Books

1. Green, S., Williams, K. Marek, L., Kantar, M., Khoury, C. (Ed) Crop Wild Relatives of North America. 2018. Volume 1. Springer International Publishing. Cham. Switzerland. DOI: 10.1007/978-3-319-95101-0

2. Green, S., Williams, K. Marek, L., Kantar, M., Khoury, C. (Ed) Crop Wild Relatives of North America. 2018. Volume 2. Springer International Publishing. Cham, Switzerland. DOI: 10.1007/978-3-319-97121-6

Book Chapters

1. Thompson, A., Kantar, M., Rainey, K. (2022). Designing Experiments for Physiological Phenomics. In: Lorence, A., Medina Jimenez, K. (eds) High-Throughput Plant Phenotyping. Methods in Molecular Biology, vol 2539. Humana, New York, NY. https://doi.org/10.1007/978-1-0716-2537-8_14
2. Bock, D, Kantar, MB, Rieseberg, L. 2020. The population genomics of speciation and adaptation in sunflowers. In: Population Genomics. Springer, Cham. https://doi.org/10.1007/13836_2020_85

3. Miyasaka SC, Bellinger MR, Kantar MB, Helmkampf M, Wolfgruber T, Paudel R, Shintaku M. 2019. Genetic Diversity in Taro (Colocasia esculenta). In Genetic Diversity in Horticultural Plants (pp. 191-215). Springer, Cham.
4. Anderson, JE, Campbell, A, Kantar, MB. Crop Wild Relatives of North American Root Vegetables. Chapter 8. In Green, S. (Ed) Crop Wild Relatives of North America: Volume 2. Springer International Publishing. Cham, Switzerland.
5. McCoy, JA, Young, JH, Nifong, JM, Hummer, K, DeNoma, J, Avendaño-Arrazate, CH, Kantar, MB, Greene, SL. Species for medicinal and social use with an emphasis on Theobroma cacao L. (cacao), Nicotiana tabacum L. (tobacco), Actaea racemosa L. (black cohosh), Humulus lupulus L. (Hops). Chapter 19. In Green, S. (Ed) Crop Wild Relatives of North America: Volume 2. Springer International Publishing. Cham, Switzerland.
6. Khoury, CK, Greene, SL, Williams, KA, Kantar, MB, Marek, LF. Conservation and Use of the North American Plant Cornucopia: The Way Forward. Chapter 20. In Green, S. (Ed) Crop Wild Relatives of North America: Volume 2. Springer International Publishing. Cham, Switzerland.
7. Kantar, MB, Hubner, S, Rieseberg, LH. 2016. Broadening the genetic basis for crop improvement: Interspecific hybridization within and between ploidy levels in Helianthus. In Mason, A.S. (Ed) Polyploidy and Interspecific Hybridization for Crop Improvement, CRC Press, Boca Raton, United States of America.

Refereed Journal Publications

1. *Fumia, N, Nair, R, Lin, YP, Bishop-von Wettberg, E, Kantar, MB, Schafleitner, R. Leveraging genomics and Phenomics to Speed Improvement in Mung bean (***accepted Plant Phenome***)*
2. *Paull, RE, Zerpa-Catanho, D, Chen, NJ, Uruu, G, Wai, CMJ, Kantar, MB. Flowering time in pineapple. (***accepted Plants Direct***)*
3. *Fu, X, Lidar*, A, **Kantar, MB,** *Raghavan, B. 2023. Edible fire buffers: Mitigation of wildfire with multifunctional landscapes, PNAS Nexus, Volume 2, Issue 10, pgad315, https://doi.org/10.1093/pnasnexus/pgad315*
4. Ewing, P, **Kantar, MB**, Williams, J, Killian, E, Sherman, J, Neyhart, J, Lachowiec, J, Eberly, J. Local adaptation and broad performance are synergistic to productivity in modern barley. ***(accepted Crop Science)***
5. ***Kantar, MB****, Wang, D, Hale, I, Pratt, R, Jensen, JV, Lewenstein, BV. (2023). Improving agricultural science communication through intentionality. Agricultural &Environmental Letters, 8,e20115. https://doi.org/10.1002/ael2.20115*
6. *Martínez, N,* ***Kantar, MB****, Jardón-Barbolla, L, Moreno, A, Mercer, K. Capturing the distribution as it shifts: chile pepper (Capsicum annuum L.) domestication gradient meets geography. (****accepted Ecology and Evolution****)*
7. Gao, L, **Kantar MB**, Moxley, D, Ortiz-Barrientos, D., Rieseberg, L, *Crop Adaptation to Climate Change: An Evolutionary Perspective (****accepted Molecular Plant****)*
8. Bartlett, B, **Kantar, MB**, Stitt-Bergh, M, Bingham, JP. 2023. *Integrating Data Science to Strengthen Undergraduate Research Curricula.* Biochemistry and Molecular Biology Education. DOI: 10.1002/bmb.21762
9. Wang, D., **Kantar, MB,** Murugaiyan, V, Neyhart, J. 2023. Where the wild things are: Genetic associations of environmental adaptation in the Oryza rufipogon species complex (ORSC). G3: Genes, Genomes, Genetics, jkad128.
10. Adhikari, M, **Kantar, MB**, Longman, RJ, Lee, CN, Oshiro, M, Caires K, He, Y. 2023. *Genome-wide association study for carcass weight in pasture-finished beef cattle in Hawai'i.* Frontiers in Genetics, 14, 1168150.
11. Jungers, J, Runck, B, Ewing, PM, Maaz, T, Carlson, C, Neyhart, J, Fumia, N, Bajgain, P, Subedi, S, Sharma, S, Senay, S, Hunter, M, Cureton, C, Gutknecht, J, **Kantar, M.** 2023. *Adapting Perennial grain and oilseed Crops for Climate Resiliency*. Crop Science
12. Fumia, N, **Kantar, MB**, Lin, YP, Schafleitner, R, Lefebvre, V, Paran, I, Börner, A, Diez, MJ, Prohens, J, Bovy, A, Boyaci, F, Pasev, G, Tripodi, P, Barchi, L, Giuliano, G, Barchenger, DW. 2023. *Exploration of high-throughput data for heat tolerance selection in Capsicum annuum.The Plant Phenome Journal, 6(1), e20071.*
13. Runck, B, Streed, A, Ewing, P, **Kantar, MB**, Wang, D, Raghavan, B. 2023. State spaces for agriculture: A meta-systematic design automation framework. PNAS nexus, 2(4), pgad084.

14. McCoy, J, Martínez, N, Bernau, V, Scheppler, H, Hedblom, G, Adhakari, A, McCormick, A **Kantar, MB**, Jardón-Barbolla, L, McHale, L, Mercer, K, Baumler, D. 2023. Population structure in diverse pepper (Capsicum spp.) accessions. BMC Res Notes 16, 20 https://doi.org/10.1186/s13104-023-06293-3
15. Blenis, N, Nguyen, H, McClellan Maaz, T, **Kantar, MB**. 2023. Biochar Production, Modification, and Its Uses in Soil Remediation: A Review. Sustainability, 15, 3442. https://doi.org/10.3390/su15043442
16. Bessho-Uehara, K, Masuda, K, Wang, DR, Angeles-Shim, RB, Obara, K, Nagai, K, Murase, R, Aoki, S, Furuta, T, Miura, K, Wu, JZ, Yamagata, Y, Yasui, H, **Kantar, MB**, Yoshimura, A, Kamura, T, McCouch, SR, Ashikari, M. REGULATOR OF AWN ELONGATION 3, an E3 ubiquitin ligase, is responsible for loss of awns during African rice domestication. 2023. Proceedings of the National Academy of Sciences, 120(4), e2207105120.
17. Dhungana, I, **Kantar, MB,** Nguyen NH. 2023Root exudate composition from different plant species influences the growth of rhizosphere bacteria. Rhizophere. Volume 25, 100645. https://doi.org/10.1016/j.rhisph.2022.100645
18. Frazier, AG, Yen, BT, Stuecker, MF, Nelson, K, Sander, BO, Fox, J, **Kantar, MB**, Wang, D. *A multi-scale analysis of historical climate variability and rice production in Mainland Southeast Asia. Anthropocene, https://doi.org/10.1016/j.ancene.2022.100353.*
19. Tavares K, Kirk E, Motomura-Wages S, Calpito J, Bingham J-P, Ahmad AA, Flanagan K, Uyeda J, **Kantar MB**, Radovich TJK. Genotypic and Environmental Influence on Fresh Rhizome Yield of Turmeric (Curcuma longa L.). Agronomy. 2022; 12(11):2703. https://doi.org/10.3390/agronomy12112703
20. Paudel, R, Bartlett, B, Zamora, CM, Keach, J, Coarite-Gutierrez, R, Hawkins, J, Ahmad, A, Motomura-Wages, S, Kirk, ER, Kantar, MB, Lamour, KH, Shintaku, M, Miyasaka, S. *2022. Breeding and selection of taro (Colocasia esculenta) for improved disease-resistance in Hawai'i.* Plants, People, Planet.
21. Carlson, K, Mora, C, Xu, J, Setter, RO, Harangody, M, Franklin, EC, **Kantar, MB**, Lucas, M, Menzo, ZM, Spirandelli, D, Schanzenbach, D, Warr, CC, Wong, AE, Businger, S. 2022. Global rainbow distribution under current and future climates. Global Environmental Change, 77, 102604.
22. Paull, RE, Zerpa-Catanho, D, Chen, NJ, Uruu, G, Wai, CMJ, Kantar, MB. Taro Raphide-Associated Proteins: Profilin, Allergens and Crystal Growth. Plant Direct. DOI: 10.1002/pld3.443
23. Neyhart, J, Kantar, MB, Zalapa, J, Vorsa, N. Genomic patterns of local adaptation in wild cranberry (Vaccinium macrocarpon Ait.) G3, jkac203, https://doi.org/10.1093/g3journal/jkac203
24. McCoy JE, McHale LK, Kantar M, Jardón-Barbolla L, Mercer KL. 2022. Environment of origin and domestication affect morphological, physiological, and agronomic response to water deficit in chile pepper (Capsicum sp.). PLOS ONE 17(6): e0260684. https://doi.org/10.1371/journal.pone.0260684
25. Maaz, T, Nguyen, N, Del Valle Echevarria, AR, Kantar, MB, Mileyko, Y, Muszynski, M. 2022. Initiating project-based interdisciplinary research education in the agricultural sciences. Natural Science Education. E20076
26. Lincoln, N, Anderson, T, Kantar, MB, You, Q, Wang, J. 2022, Diversity and Value of Extant Hawaiian Sugarcane (Saccharum spp. [L.]) Cultivars. Economic Botany, 1-15.
27. Fumia, N, Rubinoff, D, Zenil-Ferguson, R, Khoury, C, Pirinon, S, Gore, M, Kantar, MB. 2022. The intersection of mating system and ploidy in driving ecological niche diversity using wild potatoes (Solanum section Petota) as a model. R. Soc. Open Sci. 9: 211862. doi.org/10.1098/rsos.211862
28. Sirabis WCL, Kantar MB, Radovich T, Lincoln NK. 2022. Nitrogen Dynamics and Sweet Potato Production under Indigenous Soil Moisture Conservation Practices in the Leeward Kohala Field System, Hawai'i Island. Soil Systems.6(1):16. https://doi.org/10.3390/soilsystems6010016
29. Fumia, N, Pirinon, S, Rubinoff, D, Zenil-Ferguson, R, Khoury, C, Gore, M, Kantar, MB. 2022. Wild relatives of potato may bolster its adaptation to new niches under future climate scenarios. Food and Energy Security, 00, e360. https://doi.org/10.1002/fes3.360
30. MacQueen, AH, Khoury, CK, Miklas, P, McClean, PE, Osorno, JM, Runck, BC, White, JW, Kantar, MB, Ewing, PM. 2022. From local to continent-scale variation in yield heritability in common bean (Phaseolus vulgaris). Crop Science, 1– 13. https://doi.org/10.1002/csc2.20694
31. Joo, K, Muszynski, M, Kantar, MB, Del Valle Echevarria, AR. 2021. Using CRISPR for tropical crop improvement: A decision process for fitting genome engineering to your species. Front. Genet. https://doi.org/10.3389/fgene.2021.786140
32. Minter, M, Nielsen, ES, Blyth, C, Bertola, LD, Kantar, MB, E Morales, HE, Orland, C, Segelbacher, G, Leigh, DM. 2021. What is genetic diversity and why does it matter? Frontiers for Young Minds. DOI:

10.3389/frym.2021.656168
33. Del Valle Echevarria, AR, Fumia, N, Gore, MA, Kantar, MB. 2021. Accelerating Crop Domestication in the Era of Gene Editing. Plant Breeding Reviews, Volume 45, 185.
34. Anderson, T, Radovich, T, Bingham, J-P, Sinclair, N, Bryant, G, Kantar, MB. 2021. Evaluation of Hawaiian Heritage Sweet Potato (Ipomoea batatas (L.) Lam.) Breeding Lines. Agronomy, 11, 1545. https://doi.org/10.3390/agronomy11081545
35. Steed, A., Tomlinson, B, Kantar, MB, Raghavan, B. 2021. How Smart is the Smart Farm? In Proceedings of the 8th International Conference on ICT for Sustainability
36. Wolfe, M, Jannick, JL, Kantar, MB, Santantonio, N. 2021. Multi-species genomics-enabled selection for improving agroecosystems across space and time. Frontiers in Plant Science, 12, 1079.
37. Wang, DR, Imel RK, Paull RE, Kantar, MB. An online learning module for plant growth analysis using high-throughput phenotyping data. Nat Sci Educ. 50:1 https://doi.org/10.1002/nse2.20056
38. Maaz, T, Sapkota, T, Eagle, A, Kantar, M, Bruulsema, T, Majumdar, K. 2021. Meta-analysis of yield and nitrous oxide outcomes of nitrogen management in agriculture. Global Change Biology. https://doi.org/10.1111/gcb.15588
39. Hubner, S, Kantar, MB. 2021. Tapping diversity from the wild: sampling, characterizing and implementing. Front. Plant Sci., 27. https://doi.org/10.3389/fpls.2021.626565.
40. Fortin, J, Bartlett, B, Kantar, MB, Tseng, M, Mehrabi, Z. 2021. Digital technology helps remove gender bias in academia. Scientometrics. https://doi.org/10.1007/s11192-021-03911-4
41. Winnicki, E, Kagawa-Viviani, A, Perez, K, Radovich, T, Kantar, MB. 2021. Characterizing the Diversity of Hawai'i Sweet Potatoes (Ipomoea batatas [L.] Lam.). Econ Bot. https://doi.org/10.1007/s12231-020-09511-2
42. La Valle, FF, Kantar, MB, Nelson, CE. 2020. Coral reef benthic community structure is associated with the spatiotemporal dynamics of submarine groundwater discharge chemistry. Limnol Oceanogr. https://doi:10.1002/lno.11596
43. Tomiyama, J, Takagi, D, Kantar, M. 2020. The Effect of an Acute Food Shortage on Human Population Dynamics in a Subsistence Setting. Agric & Food Secur 9, 6. https://doi.org/10.1186/s40066-020-00261-x
44. Viruel, J, Kantar, MB, Gargiulo, R, Hesketh-Prichard, P, Leong, N, Cockel, C, Forest, F, Gravendeel, B, Pérez-Barrales, R, Leitch, IJ, Wilkin, P. 2020. Crop Wild Phylorelatives (CWPs): towards an integrative classification of crop wild relatives using phylogenetic distance and ploidy level as indicators of cross-compatibility. Botanical Journal of the Linnean Society. https://doi.org/10.1093/botlinnean/boaa064
45. Pironon, S, Borrell, JS, Ondo, I, Douglas, R, Phillips, C, Khoury, CK, Kantar, MB, Fumia, N, Soto Gomez, M, Viruel, J, Govaerts, R, Forest, F, Antonelli, A. 2020. Toward Unifying Global Hotspots of Wild and Domesticated Biodiversity. Plants 9 (9), 1128.
46. El-Sabaawi, R, Kantar, MB, Moore, T, Pantel, JH, Tseng, M, Ware, J. 2020. The EEB POC Project. Limnology and Oceanography Bulletin. https://doi.org/10.1002/lob.10390
47. Tseng, M, El-Saabawi, R, Kantar, MB, Pantel, JH, Srivastava, D, Ware, J. 2020. Strategies and support for Black, Indigenous, and people of colour in ecology and evolutionary biology. Nature Ecology and Evolution. https://doi.org/10.1038/s41559-020-1252-0
48. Bellinger, MR, Paudel, R, Starnes, S, Kambic, L, Geib, S, Sim, S, Wolfgruber, T, Miyasaka, S, Lamour, K, Helmkampf, M, Kantar, MB, Shintaku, M. 2020. Taro genome assembly and linkage map reveal QTLs for resistance to Taro Leaf Blight. G3: Genes, Genomes, Genetics. https://doi.org/10.1534/g3.120.401367
49. Runck, B, Khoury, C, Ewing, P, Kantar, MB. 2020. The hidden land use cost of upscaling cover crops. Commun Biol 3, 300. https://doi.org/10.1038/s42003-020-1022-1
50. Del Valle Echevarria, AR, Campbell, A, Radovich, TJK, Silvasy, T, Moore, S, Kantar, MB. 2020. Genotype-by-Sequencing (GBS) to establish a tropical pumpkin (Cucurbita moschata) breeding population for organic production systems. Horticulturae, 6, 14. https://doi.org/10.3390/horticulturae6010014
51. Ewing, P, Runck, B, Kono,TYJ, Kantar, MB. 2019. The home field advantage of modern plant breeding. PloS one, 14(12). https://doi.org/10.1371/journal.pone.0227079
52. Anderson, J, Kantar, MB, Bock, D, Chaw Grubbs, K, Schilling, E, Rieseberg, L. 2019. Skim-Sequencing Reveals the Likely Origin of the Enigmatic Endangered Sunflower Helianthus schweinitzii. Genes, 10(12), 1040; https://doi.org/10.3390/genes10121040
53. Miyasaka SC, Bellinger MR, Kantar MB, Helmkampf M, Wolfgruber T, Paudel R, Shintaku M (2019) Genetic Diversity in Taro (Colocasia esculenta). In Genetic Diversity in Horticultural Plants (pp. 191-215).

Springer, Cham.
54. Khoury, CK, Barchenger, DW, Carver, D, Barboza, G, van Zonneveld, M, Jarret, R, Bohs, L, Kantar, MB, Uchanski, M, Mercer, K, Nabhan, GP, Bosland, PW, Greene, SL. Crop wild relatives of chile pepper (Capsicum L.): Distributions, conservation status, and implications for adaptations to abiotic stresses. Diversity and Distributions. doi.org/10.1111/DDI.13008
55. Ekar, JM, Betts, KJ, Herman, AC, Stupar, RM, Wyse, DL, Brandvain, Y, Kantar, MB. Domestication in real time: The curious case of a trigenomic sunflower population. Agronomy, 9(11), 704. https://doi.org/10.3390/agronomy9110704
56. Kantar, MB, Runck, B. Take a walk on the wild side. Nature Climate Change, 9 (10), 731–732. http://dx.doi.org/10.1038/s41558-019-0581-y
57. Mora, C, Rollins, R, Taladay, K, Kantar, MB, Chock, MK, Shimada, M, Franklin, EK. 2019. Limitations to estimating carbon emissions from Bitcoin mining. Nature Climate Change. 9: 658–659.
58. Khoury, CK., Kisel, Y, Kantar, MB, Barber, E, Ricciardi, V, Klirs, C, Kucera, L, Mehrabi, Z., Johnson, N, Klabin, S, Valiño, A, Nowakowski, K, Bartomeus, I, Ramankutty, N, Miller, A, Schipanski, M, Gore, MA, Ari Novy, A. 2019. Science - graphic art partnerships to increase research impact. Communications Biology volume 2, Article number: 295. doi: https://doi.org/10.1038/s42003-019-0516-1
59. Viruel, J, Conejero, M, Hidalgo, O, Pokorny, L, Powell, RF, Forest, F, Kantar, MB, Soto Gomez, M, Graham, SW, Gravendeel, B, Wilkin, P, Leitch, IJ. 2019. A target capture-based method to estimate ploidy from herbarium specimens. Front. Plant Sci. 10:937 doi: 10.3389/fpls.2019.00937
60. Del Valle-Echevarria, AR, Kantar, MB, Branca, J, Moore, S, Frederiksen, MK, Hagen, L, Hussain, T, Baumler, DJ. 2019. Aeroponic Cloning of Capsicum spp. Horticulturae 5(2), 30; https://doi.org/10.3390/horticulturae5020030
61. Soto Gomez, MF, Pokorny, L, Kantar, MB, Forest, F, Leitch, IJ, Gravendeel, B, Paul Wilkin, Graham, SW, Viruel, J. 2019. A customized nuclear target enrichment approach for developing a phylogenomic baseline for Dioscorea yams (Dioscoreaceae). Applications in Plant Science. https://doi.org/10.1002/aps3.11254
62. Mehrabi, Z, Pironon, S, Kantar, MB, Ramankutty, N, Rieseberg, L. 2019. Shifts in the abiotic and biotic environment of cultivated sunflower under future climate change. OCL, 26: 9 doi: https://doi.org/10.1051/ocl/2019003
63. Kantar, MB, Runck, B, Raghavan, B, Joglekar, AB, Senay, S, Krohn, B, Neyhart, J, Bradeen, J, Soto Gomez, M, Kjelgren, R. 2019. The Many-Faced Janus of Plant Breeding. Plants, People, Planets. doi: https://doi.org/10.1002/ppp3.3031.
64. Kagawa-Viviani, A, Levin, P, Johnston, E, Ooka, J, Baker, J, Kantar, MB, Lincoln, NL. 2018. I Ke Ēwe ʻĀina o Ke Kupuna: Hawaiian Ancestral Crops in Perspective. Sustainability. 10(12), 4607. https://doi.org/10.3390/su10124607
65. Mora, C, Spirandelli, D, Franklin, EC, Lynham, J, Kantar, MB, Miles, W, Smith, CZ, Freel, K, Moy, J, Louis, LV, Barba, EW, Bettinger, K, Frazier, A, Colburn IX, JF, Hanasaki, N, Hawkins, E, Hirabayashi, Y, Knorr, W, Little, CM, Emanuel, K, Sheffield, J, Patz, JA, Hunter, CL. 2018. Broad threat to humanity from cumulative climate hazards intensified by greenhouse gas emissions. Nature Climate Change. doi: https://doi.org/10.1038/s41558-018-0315-6
66. Mora, C, Rollins, R, Taladay, K, Kantar, MB, Chock, MK, Shimada, M, Franklin, EC. 2018. Bitcoin emissions alone could push global warming above 2°C. Nature Climate Change. doi: https://doi.org/10.1038/s41558-018-0321-8
67. Kantar, MB, Hübner, S, Herman, A, Bock, DG, Baute, G, Betts, K, Ott, M, Brandvain, Y, Wyse, D, Stupar, RM, Rieseberg, LH. Neo-Domestication of an Interspecific Tetraploid Helianthus annuus × Helianthus tuberous Population That Segregates for Perennial Habit. Genes 2018, 9(9), 422; https://doi.org/10.3390/genes9090422
68. Kantar, MB, Bruford, MW, Rieseberg, LH. 2018. The Genomics of Domestication. Evol Appl. https://doi.org/10.1111/eva.12693
69. Stuecker MF, Tigchelaar M, Kantar MB. 2018. Climate variability impacts on rice production in the Philippines. PLOS ONE 13(8): e0201426. https://doi.org/10.1371/journal.pone.0201426
70. Taitano, N, Bernau, V, Jardón-Barbolla, L, Leckie, B, Mazourek, M, Mercer, K, McHale, L, Michel, A, Baumler, D, Kantar, MB, van der Knaap, E. 2018. Genome-wide Genotyping of a Novel Mexican Chile Pepper Collection Illuminates the History of Landrace Differentiation after Capsicum annuum L. Domestication. Evolutionary Applications. https://doi.org/10.1111/eva.12651

71. Bock, DG, Kantar MB, Caseys, C, Matthey-Doret, R, Rieseberg, LH. 2018. Evolution of invasiveness by genetic accommodation. Nature Ecology & Evolution. https://doi.org/10.1038/s41559-018-0553-z
72. Bandillo, NB, Anderson, JE, Kantar, MB, Stupar, RM, Specht, JE, Graef, GL, Aaron J. Lorenz, AJ. 2017. Dissecting the Genetic Basis of Local Adaptation in Soybean. Scientific Reports 7, Article number: 17195
73. Kantar, MB, Nashoba, AR, Anderson, JE, Blackman, BK, Rieseberg, LH. 2017. The Genetics and Genomics of Plant Domestication. BioScience, 67(11), 971-982.
74. Helmkampf, M, Wolfgruber, TK, Bellinger, MR, Paudel, R, Kantar, MB, Miyasaka, SC, Kimball, H, Veillet A, Read, A, Shintaku, M. 2017. Phylogenetic relationships, breeding implications, and cultivation history of Hawaiian taro (Colocasia esculenta) through genome-wide SNP genotyping. Journal of Heredity, 1, 11.
75. Kantar, MB, Anderson, JE, Lucht, SA, Mercer, K, Bernau, V, Case, KA, Le, NC, Frederiksen, MK, DeKeyser, HC, Wong, ZZ, Hastings, JC, Baumler, DJ. 2016. Vitamin Variation In Capsicum Spp. Provides Opportunities To Improve Nutritional Value Of Human Diets. PLoS ONE 11(8): e0161464. https://doi.org/10.1371/journal.pone.0161464
76. DeHaan, LR, Van Tassel, DL, Anderson, J, Culman, S, Larson, S, Marks, D, Ryan, M, Wyse, D, Zhang, X, Rude, E, Poland, J, Asselin, S, Cattani, D, Dorn, K, Baute, G, Hulke, B, Kantar, MB, Ravetta, D. 2016. A Pipeline Strategy for Crop Domestication. Crop Science, 56(3), 917-930.
77. Kantar, MB, C. Tyl, C,Dorn, K, Zhang, X, Jungers, J, Kaser, J, Schendel, R, Eckberg, J, Runck, B, Bunzel, M, Jordan, N, Stupar, RM, Marks, D, Anderson, J, Johnson, G, Sheaffer, C, Schoenfuss, T, Ismail, B, Heimpel, G, Wyse, D. 2016. Perennial Grain and Oilseed Crops. Annu. Rev. Plant Biol. 2016. 67:703–29.
78. Anderson, J, Kono, T, Stupar, R, Kantar, MB, Morrell, P. 2016. Environmental association analyses identify candidates for abiotic stress tolerance in Glycine soja, the wild progenitor of cultivated soybeans. G3; 6:835-843.
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Creative Works

Popular Press Articles

1. https://phys.org/news/2020-06-sustainable-cover-crop-farming-big-limitation.html
2. https://www.aaas.org/news/making-engagement-easier-others-matching-scientists-artists-and-students
3. https://www.aaas.org/programs/center-public-engagement-science-and-technology/reflections/power-infographics-pairing
4. https://sustainable-secure-food-blog.com/2018/09/21/yams-a-main-staple-in-africa-asia/
5. https://seedworld.com/michael-kantar-on-how-netflix-is-changing-plant-breeding/
6. https://www.theatlantic.com/science/archive/2018/08/amaizeballs/567140/
7. www.aaas.org/news/public-engagement-helps-scientists-tackle-global-challenges
8. http://news.cornell.edu/stories/2018/07/workshop-trains-plant-scientists-communicate-science
9. https://cms.ctahr.hawaii.edu/fcs/About/NewsArticles/getting-engaged
10. https://news.ubc.ca/2018/05/07/genetics-help-make-a-weed-a-weed/
11. https://qz.com/1227435/one-plant-has-the-ability-to-help-us-understand-climate-change/
12. https://www.knowablemagazine.org/article/sustainability/2017/plant-reap-repeat-and-now-rethink
13. https://cwroftheus.wordpress.com/2015/10/08/promiscuity-provides-potential-the-sunflower-story/
14. https://www.cwrdiversity.org/were-becoming-more-similar-trends-in-global-diet-and-the-consequences-for-food-production-and-health/
15. Mangan, ME, Fernandez, AL, Van Roekel, RJ, **Kantar, MB**, Kluver III RW, Yost, MA, Ries L. (2010, November). 21st Century Agriculture: Balancing Productivity and Conservation in a Changing Environment. CSA News 16-19

Science Zone Radio Episodes Produced and aired on KTUH

1. York, L. Kantar, M., Radovich, T. (2021, September 15). Dr. Larry York is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
2. Kantar, M., Radovich, T. (2021, September 22). Dr. Mikey Kantar is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
3. Jones, T., Kantar, M., Radovich, T. (2021, October 6). Tyler Jones is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
4. Huffaker, A., Kantar, M., Radovich, T. (2021, October 13). Dr. Alisa Huffaker s in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
5. Dinell, D., Kantar, M., Radovich, T. (2021, October 20). Dan Dinell is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
6. Neyhart, J., Kantar, M., Radovich, T. (2021, October 27). Dr. Jeff Neyhart is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
7. Fox, K., Kantar, M., Radovich, T. (2021, November 3). Dr. Kai Fox is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
8. Eberly, J., Kantar, M., Radovich, T. (2021, November 10). Dr. Jed Eberly is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts

9. Thompson, A., Kantar, M., Radovich, T. (2021, November 17). Dr. Addie Thompson is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
10. Kosaka, K. Kantar, M., Radovich, T. (2021, November 24). Dr. Kaili Kosaka is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
11. Ewing, P. Kantar, M., Radovich, T. (2021, December 1). Dr. Patrick Ewing is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
12. Smith, W., Kantar, M., Radovich, T. (2021, December 8). Dr. Wayne Smith is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
13. Tugade, B., Mikasobe-Kealiinohomoku, J., Maaz, T., Kantar, M. ,Radovich, T. (2021, December 15). Bryceson Tugade and Jesse Mikasobe-Kealiinohomoku are in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
14. Lindsay-Juan, G., Maaz, T. Kantar, M., Radovich, T. (2022, January 5). Germaine Lindsay Juan is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
15. Jabbour, R., Kantar, M.,Radovich, T. (2022, January 19). Dr. Randa Jabbour is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
16. Kaufman, A., Kantar, M.,Radovich, T. (2022, February 2). Dr. Andy Kaufman is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
17. Martinez, N., Kantar, M.,Radovich, T. (2022, February 9). Dr. Natalia Martinezis in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
18. Doyle, S., Kantar, M., Radovich, T. (2022, February16). Dr. Sarah Doyle is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
19. Khoury, C., Kantar, M.,Radovich, T. (2022, March 9). Dr. Colin Khoury is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
20. Mueller, N., Kantar, M., Radovich, T. (2022, March 9). Dr. Nathan Mueller is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
21. Ho-Lastimosa, I., Kantar, M., Radovich, T. (2022, March 23). Ilima Ho-Lastimosa is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
22. Uyeda, J., Kantar, M. ,Radovich, T. (2022, April 6). Dr. Jensen Uyeda, is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
23. Lesnik, J., Kantar, M., Radovich, T. (2022, April 13). Dr. Julie Lesnik is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcast
24. Wang, D., Kantar, M., Radovich, T. (2022, April 13). Dr. Diane Wang is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcast
25. Sachter-Smith, G., Kantar, M. ,Radovich, T. (2022, April 28). Gabe Sachter-Smith is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
26. Rubinoff, D., Kantar, M., Radovich, T. (2022, June 15). Daniel Rubinoff is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
27. Campillo, L., Kantar, M., Radovich, T. (2022, July 13). Dr. Luke Campillo is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
28. Murphy, K, Kantar, M., Radovich, T. (2022, September 28). Dr. Katie Murphy is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
29. Jenkins, D., Kantar, M., Radovich, T. (2022, October 5). Dr. Dan Jenkins is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
30. Nguyen, N., Kantar, M., Radovich, T. (2022, October 19). Dr. Nhu Nguyen is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
31. Todesco, M., Kantar, M., Radovich, T. (2022, October 26). Dr. Marco Todesco is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
32. Zavas, L., Kantar, M., Radovich, T. (2022, October 19). Luka Zavas is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
33. Fumia, N., Kantar, M., Radovich, T. (2022, October 19). Nathan Fumia is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
34. Frankie, K, Kantar, M., Radovich, T. (2022, November 23). Frankie Koethe in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
35. Davis, D, Kantar, M., Radovich, T. (2023, January 18). Dylan Davis in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts

36. Flanagan, K, Kantar, M., Radovich, T. (2023, Februrary 10). Kevin Flanagan in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
37. Riel, B, Kantar, M., Radovich, T. (2023, Februrary 10). Brad Riel in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
38. Hershberger, J, Kantar, M., Radovich, T. (2023, Februrary 17). Jenna Hershberger in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
39. Rife, T, Kantar, M., Radovich, T. (2023, Februrary 17). Trevor Rife in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
40. Lachowiec, J, Kantar, M., Radovich, T. (2023, Februrary 15). Jennifer Lachowiec in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts
41. 4Tuttle, L, Kantar, M., Radovich, T. (2023, March 31). Lillian Tuttle is in The Science Zone on in Your Head with Professor Ted [Radio broadcast]. KTUH. https://ktuh.org/podcasts

Articles about lab work

https://pacifichorticulture.org/podcast/episode-xxxi-stalking-the-crop-wild-relatives-with-colin-khoury-and-michael-kantar/?utm_source=mailpoet&utm_medium=email&utm_campaign=stalking-the-wild-crop-relatives-mbrs
https://thefoodsection.substack.com/p/86a13c04-f2a0-4bf1-a20e-a30eabf793aa
https://theconversation.com/computer-science-can-help-farmers-explore-alternative-crops-and-sustainable-farming-methods-203108
www.eurekalert.org/news-releases/947978
https://www.natureindex.com/news-blog/how-altmetrics-level-playing-field-women-stem-research-bias
https://phys.org/news/2020-06-sustainable-cover-crop-farming-big-limitation.html
https://www.aaas.org/news/making-engagement-easier-others-matching-scientists-artists-and-students
https://www.aaas.org/programs/center-public-engagement-science-and-technology/reflections/power-infographics-pairing
https://sustainable-secure-food-blog.com/2018/09/21/yams-a-main-staple-in-africa-asia/
www.aaas.org/news/public-engagement-helps-scientists-tackle-global-challenges
cms.ctahr.hawaii.edu/NewsLetter/surfs-up-in-montreal
news.cornell.edu/stories/2018/07/workshop-trains-plant-scientists-communicate-science
cms.ctahr.hawaii.edu/fcs/About/NewsArticles/getting-engaged
news.ubc.ca/2018/05/07/genetics-help-make-a-weed-a-weed/
qz.com/1227435/one-plant-has-the-ability-to-help-us-understand-climate-change/
www.knowablemagazine.org/article/sustainability/2017/plant-reap-repeat-and-now-rethink
https://myemail.constantcontact.com/News-from-the-Sustainable-and-Organic-Program---CTAHR.html?soid=1102675671876&aid=cF291tT5bSY
https://cwroftheus.wordpress.com/2015/10/08/promiscuity-provides-potential-the-sunflower-story/
https://www.cwrdiversity.org/were-becoming-more-similar-trends-in-global-diet-and-the-consequences-for-food-production-and-health/

Videos about lab work

seedworld.com/michael-kantar-on-how-netflix-is-changing-plant-breeding/
https://youtu.be/XmAxWiA9Xis
https://www.youtube.com/watch?v=eHBwu_QpDTk&feature=youtu.be
https://www.aaas.org/news/public-engagement-helps-scientists-tackle-global-challenges
http://seedworld.com/michael-kantar-u-hi-evolving-plant-breeding-methods-striving-contribute-food-security/
www.forevergreen.umn.edu/files/scie-300-so-podcast-michael-kantar-sunflower-perenniality-agriculture
https://www.youtube.com/watch?v=5QNyOcXPeFo

Leadership Roles

Chair National Plant Breeding Coordinating Committee (PBCC) 2019-2020
Vice-chair National Plant Breeding Coordinating Committee (PBCC) 2018-2019
Secretary National Plant Breeding Coordinating Committee (PBCC) 2017-2018
Communications officer National Plant Breeding Coordinating Committee (PBCC) 2016-2017

Grant reviewer for the National Institute of Food and Agriculture (NIFA) Agriculture and Food Research Initiative (AFRI)
National Association of Plant Breeders Graduate Student Poster Competition judge in 2016
Member the National Plant Breeding Coordinating Committee (PBCC)
Reviewer for Molecular Ecology, Reviewer for Crop Science, Reviewer for Frontiers in Plant Science, Reviewer for Nature Ecology and Evolution, Reviewer Evolutionary Applications, Reviewer for Ecology and Evolution, Reviewer for Scientific Reports, Reviewer for Agronomy Journal, Reviewer for PLOS, Reviewer for Nature Climate Change, Reviewer for Proceedings of the Royal Society B, Reviewer for Genes/Genomes/Genetics, Reviewer for Genetics, Reviewer for Briefings in Functional Genomics, Reviewer for Biology

Graduate Students

Category	Current Number of Students	Number Graduated (Career)
Chair of Master's Committees	0	7
Chair of PhD Committees	2	2
Member of Master's Committees	8	7
Member of PhD Committees	6	9

Grant Support

Title of Grant: *NSF Engines Development Award: Advancing climate resilient food innovations*
Source of Grant: NSF
Total Dollar Value: $1,000,382
Dates of Grant: 2023
Role: CoPI

Title of Grant: *Soil health fingerprinting: Rapidly predicting soil health in a diversity of soils using machine*
Source of Grant: *USDA-AFRI: DSFAS*
Total Dollar Value: $649,571
Dates of Grant: 2023
Role: CoPI

Title of Grant: *CleanSEED: A project to ensure the sustainability of U.S. sweetpotato seed programs*
Source of Grant: USDA SCRI
Total Dollar Value: $5,010,000; (355,940.59 to Hawaii)
Dates of Grant: 2022
Role: CoPI

Title of Grant: *Understanding emergent agricultural phenomena through Big Data Analytics: creating frameworks for understanding using Physics-guided Machine Learning and agent-based models,*
Source of Grant: USDA- AG2PI Seed Grant
Total Dollar Value: $$49,700
Dates of Grant: 2022
Role: PI

Title of Grant: *Continuation of Breeding Program for Stevia*
Source of Grant: Sweet Green Fields LLC,
Total Dollar Value: $665,000 ($335,000)
Dates of Grant: 2021
Role: CoPI

Title of Grant: *Genetic controls and mechanisms for the recruitment of crop microbiomes for enhanced ecosystem*

adaptation

Source of Grant: *USDA*
Total Dollar Value: *$748,330*
Dates of Grant: 2020
Role CoPI

Title of Grant: *Transboundary Air Pollution and the Socio-Ecological Impact of China's Belt-Road Initiative in the Mekong Sub-Region*
Source of Grant: LUCE Initiative on Southeast Asia Fellowship (LuceSEA),
Total Dollar Value: $99,790
Dates of Grant: 2020
Role: CoPI

Title of Grant: *Hoʻākamai! Building Expertise In Fact Using Active Learning (BE-FACTUAL)*
Source of Grant: *USDA*
Total Dollar Value: *$491,851.88*
Dates of Grant: 2019
Role CoPI

Title of Grant: *Computational Agroecology*
Source of Grant: *Schmidt Family Foundation*
Total Dollar Value: $300,000 ($150,000)
Dates of Grant: 2019
Role CoPI

Title of Grant: *Development of a new perennial grain crop*
Source of Grant: *Bard Senior research fellowship, BARD*
Total Dollar Value: $8000
Dates of Grant: 2019
Role: PI

Title of Grant: *Establishment of Breeding Program for Stevia*
Source of Grant: Sweet Green Fields LLC,
Total Dollar Value: $538,500 ($238,000)
Dates of Grant: 2019
Role: CoPI

Title of Grant: *The power of infographics*
Source of Grant: Leichtag Foundation
Total Dollar Value: $10000
Dates of Grant: 2019
Role: PI

Title of Grant: *Genetic structure and mechanisms of drought adaptation in Capsicum*
Source of Grant: USDA
Total Dollar Value: $475,000 ($31000)
Dates of Grant: 2017
Role: CoPI

Title of Grant: *Toward breeding of Silphium Integrifolium*
Source of Grant: The Land Institute
Total Dollar Value: $200,084.70
Dates of Grant: 2015
Role: CoPI

Title of Grant: *Utilizing Population Genomics to speed the domestication of Silphium Integrifolium*

Source of Grant: The Land Institute
Total Dollar Value: $201,816
Dates of Grant: 2015
Role: CoPI

Title of Grant: *Development of perennial sunflower for food production and wildlife services*
Source of Grant: Forever Green Initiative: Minnesota variety development fund
Total Dollar Value: $201,816
Dates of Grant: 2015
Role: CoPI

Presentations at Conferences

Title: *Helianthus Tuberosus: Diversity, Invasiveness and Potential As a Donor of Pereniality*
Authors: Michael Kantar,
Name of Conference: *Plant and Animal Genome*
Location: San Diego, California
Date of Presentation: 2023

Title: *Agroecological Transition Functions*
Authors: Michael Kantar, Adam Streed, Barath Raghavan, Patrick Ewing*, Bryan Runck Diane Wang
Name of Conference: *ASA-CSSA-SSA International Annual Meeting*
Location: *San Antonio, Texas*
Date of Presentation: 2019

Title: *The home field advantage of modern plant breeding,*
Authors: Patrick Ewing*, Bryan Runck Thomas Kono, Michael Kantar
Name of Conference: *ASA-CSSA-SSA International Annual Meeting*
Location: *San Antonio, Texas*
Date of Presentation: 2019

Title: *Spatial Efficiency of Plant Breeding*
Authors: Michael Kantar*, Bryan Runck, Barath Raghavan
Name of Conference: *Sustainability*
Location: *Vancouver, British Columbia*
Date of Presentation: 2019

Title: Plant Breeding Coordinating Committee survey of US Public Plant Breeding Capacity
Authors: Sarah Kostick*, Ksenjia Gasic, Kate Evans, Michael Kantar
Name of Conference: ASHS Annual Conference
Location: *Las Vegas, NV*
Date of Presentation: 2019

Title: Plant Breeding Coordinating Committee survey of US Public Plant Breeding Capacity
Authors: Todd Anderson*, Ted Radovich, JP Bingham, Michael Kantar
Name of Conference: ASHS Annual Conference
Location: *Las Vegas, NV*
Date of Presentation: 2019

Title: Conservation and Use of the North American Plant Cornucopia: The Way Forward
Authors: Colin Khoury*, Michael Kantar, Stephanie Green, Kate Williams, Laura Marek
Name of Conference: ASA-CSSA-SSA International Annual Meeting
Location: *Baltimore, MD*
Date of Presentation: 2018

Title: Environmental Association Analysis of Diverse Chile Peppers (Capsicum spp.) for Abiotic Stress Tolerance
Authors: Vivian Bernau*, Kristin Mercer, Leah McHale Michael Kantar
Name of Conference: ASA-CSSA-SSA International Annual Meeting
Location: *Baltimore, MD*
Date of Presentation: 2018

Title: Environmental Association Analysis of Diverse Chile Peppers (Capsicum spp.) for Abiotic Stress Tolerance
Authors: Juan Viruel*, Marybel Soto Gomez, Sean Graham, Michael Kantar
Name of Conference: 6th Monocots Congress
Location: *Natal, Brazil*
Date of Presentation: 2018

Title: U.S. Public Plant Breeding Capacity
Authors: Ksenjia Gasic, Kate Evans, Michael Kantar*
Name of Conference: National Association of Plant Breeders
Location: *Guelph, Canada*
Date of Presentation: 2018

Title: Sustaining the Future of U.S. Plant Breeding
Authors: Ksenjia Gasic, Kate Evans, Michael Kantar*
Name of Conference: National Association of Plant Breeders
Location: *Guelph, Canada*
Date of Presentation: 2018

Title: *Phylogenomics of the Dioscorea Yams, a Major Pantropical Crop*
Authors: Marybel Soto Gomez*, Juan Viruel, Sean Graham, Michael Kantar
Name of Conference: Botany
Location: *Rochester, MN*
Date of Presentation: 2018

Title: Genetic Diversity of `Uala (Sweet Potato) in Hawai`i
Authors: Elizabeth Winnicki*, Ted Radovich, Aurora Kagawa-Viviani, Michael Kantar
Name of Conference: ASPB
Location: Montreal, Quebec, Canada
Date of Presentation: 2018

Title: *Evolution of Invasiveness by Genetic Accommodation in a Perennial Sunflower*
Authors: Dan Bock*, Michael Kantar, Loren Rieseberg
Name of Conference: Plant and Animal Genome XXVI
Location: Montreal, San Diego, CA
Date of Presentation: 2018

Title: *Phylogenomics of the Dioscorea Yams, a Major Pantropical Crop*
Authors: Marybel Soto Gomez*, Juan Viruel, Sean Graham, Michael Kantar
Name of Conference: Plant and Animal Genome XXVI
Location: *San Diego, CA*
Date of Presentation: 2018

Title: *Sustaining the Future of Plant Breeding*
Authors: Ksenjia Gasic, Kate Evans, Michael Kantar*
Name of Conference: ASA-CSSA-SSA International Annual Meeting
Location: *Tampa, FL*
Date of Presentation: 2017

Title: Genetic Improvement of Taro for taro leaf blight resistance in Hawai'i
Authors: Roshan Paudel*, Michael Kantar, Susan Miyasaka, Mike Shintaku
Name of Conference: ASHS Annual Conference
Location: *Waikola Hawaii*
Date of Presentation: 2017

Title: Exploring the Genetic Diversity of Hawaiian Sweet Potato
Authors: Renee Bellinger*, Roshan Paudel, Michael Kantar, Susan Miyasaka, Mike Shintaku
Name of Conference: ASHS Annual Conference
Location: *Waikola Hawaii*
Date of Presentation: 2017

Title: Improvement of Fruit Quality & Insect Tolerance in Pumpkin Varieties for Hawaiian Markets
Authors: Alex Campbell*, Ted Radovich, Michael Kantar
Name of Conference: ASHS Annual Conference
Location: *Waikola Hawaii*
Date of Presentation: 2017

Title: Sustaining the Future of U.S. Plant Breeding
Authors: Ksenjia Gasic, Kate Evans, Michael Kantar*
Name of Conference: National Association of Plant Breeders
Location: *Davis, CA*
Date of Presentation: 2017

Title: *Controlled Crossing within Acacia koa A. Gray*
Authors: Del Valle-Echevarria*, Michael Kantar, Susan Miyasaka
Name of Conference: ASPB
Location: *Honolulu, HI*
Date of Presentation: 2017

Title: Sustaining the Future of U.S. Plant Breeding
Authors: Ksenjia Gasic, Kate Evans, Michael Kantar*
Name of Conference: ASPB
Location: *Honolulu, HI*
Date of Presentation: 2017

Title: *Revisiting a wild perennial sunflower hybrid swarm*
Authors: Adam Herman*, Michael Kantar, Yaniv Brandvain
Name of Conference: ASPB
Location: *Portland Oregon*
Date of Presentation: 2017

Title: *Exploring local adaptation in crop wild relatives*
Authors: Michael Kantar*, Roshan Paudal, Susan Miyasaka, Michael Shintaku
Name of Conference: *Sustainability*
Location: *Davis, California*
Date of Presentation: 2017

Title: Vitamin Variation In Capsicum Spp. Provides Opportunities To Improve Nutritional Value Of Human Diets
Authors: Justin Anderson*, Michael Kantar, Kristin Mercer, David Baumler
Name of Conference: ASA-CSSA-SSA International Annual Meeting
Location: *Phoenix, AZ*
Date of Presentation: 2016

Title: Use of pseudo-reference genomes to improve genotyping-by-sequencing of taro (Colocasia esculenta)

Authors: Susan Miyasaka*, Mike Shintaku, Michael Kantar
Name of Conference: ASHS Annual Conference
Location: *Atlanta, GA*
Date of Presentation: 2016

Title: Environmental association analyses identify candidates for abiotic stress tolerance in Glycine soja, the wild progenitor of cultivated soybeans
Authors: Justin Anderson*, Tom Kono, Robert Stupar, Peter Morrell, Michael Kantar
Name of Conference: Plant and Animal Genome XXIV
Location: *San Diego, CA*
Date of Presentation: 2016

Title: Environmental association analyses identify candidates for abiotic stress tolerance in Glycine soja, the wild progenitor of cultivated soybeans
Authors: Justin Anderson*, Tom Kono, Robert Stupar, Peter Morrell, Michael Kantar
Name of Conference: ASA-CSSA-SSA International Annual Meeting
Location: *Phoenix, AZ*
Date of Presentation: 2016

Title: *The Search for Functional Structural Variants and Adaptive Traits in Soybean*
Authors: Justin Anderson*, Tom Kono, Robert Stupar, Michael Kantar
Name of Conference: ASA-CSSA-SSA International Annual Meeting
Location: *San Diego, CA*
Date of Presentation: 2016

Title: Leveraging interdisciplinary collaborations to develop new crops and re-imagine traditional ones
Authors: Michael Kantar*, Colin Khoury, Robert Stupar, Donald Wyse
Name of Conference: ASA-CSSA-SSA International Annual Meeting
Location: *Minneapolis, MN*
Date of Presentation: 2015