CURRICULUM VITAE

NAME

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Bioagricultural Sciences and Pest Management
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EDUCATION

2000 Ph D, Ohio State University

1993 BS, University of Dayton

ACADEMIC POSITIONS

2017-2018 (College of Agricultural Sciences)

2016-2017 (College of Agricultural Sciences)

2015-2016 - Research Associate (College of Agricultural Sciences)

2014-2015 (College of Agricultural Sciences)

2012-2013 (College of Agricultural Sciences)

2011-2012 (College of Agricultural Sciences)

2010-2011 (College of Agricultural Sciences)

PUBLISHED WORKS

Refereed Journal Articles

Monroe, J. G., Allen, Z. A., Tanger, P., Mullen, J. L., Lovell, J. T., Moyers, B. T., Whitley, D., McKay, J. K. (2017). TSPmap, a tool making use of traveling salesperson problem solvers in the efficient and accurate construction of high-density genetic linkage maps. *BioData mining, 10*(1), 38., Peer Reviewed/Refereed

Reuning, G. A., Bauerle, W. L., Mullen, J. L., McKay, J. K. (2015). Combining quantitative trait loci analysis with physiological models to predict genotype-specific transpiration rates. *Plant, cell & environment, 38*(4), 710-717., Peer Reviewed/Refereed

Lovell, J. T., Mullen, J. L., Lowry, D. B., Awole, K., Richards, J. H., Sen, S., Verslues, P. E., Juenger, T. E., McKay, J. K. (2015). Exploiting Differential Gene Expression and Epistasis to Discover Candidate Genes for Drought-Associated QTLs in Arabidopsis thaliana. *The Plant cell, 27*(4), 969-83., Peer Reviewed/Refereed

Non-Refereed Journal Articles

Mekonnen, M., Mullen, J. L., Seshadri, A., Assefa, Y., K., Byrne, P. F. Quantitative trait loci mapping for carbon isotope discrimination and root pulling force in canola (Brassica napus L.) under well-watered and dry conditions. *Euphytica*., Not Peer Reviewed/Refereed

Mojica, J. P., Mullen, J. L., Lovell, J. T., Monroe, J. G., Paul, J. R., Oakley, C. G., McKay, J. K. (2016). Genetics of water use physiology in locally adapted Arabidopsis thaliana. *Plant science : an international journal of experimental plant biology, 251*, 12-22., Not Peer Reviewed/Refereed

Zhu, M., Monroe, J. G., Suhail, Y., Villiers, F., Mullen, J. L., Pater, D., Hauser, F., Jeon, B. W., Bader, J. S., Kwak, J. M., Schroeder, J. I., McKay, J. K., Assmann, S. M. (2016). Molecular and systems approaches towards drought-tolerant canola crops. *The New phytologist, 210*(4), 1169-89., Not Peer Reviewed/Refereed

Fletcher, R. S., Herrmann, D., Mullen, J. L., Li, Q., Schrider, D. R., Price, N., Lin, J., Grogan, K. A., Kern, A., McKay, J. K. (2016). Identification of Polymorphisms Associated with Drought Adaptation QTL in Brassica napus by Resequencing. *G3 (Bethesda, Md.), 6*(4), 793-803., Not Peer Reviewed/Refereed

Fletcher, R. S., Mullen, J. L., Heiliger, A., McKay, J. K. (2014). QTL analysis of root morphology, flowering time, and yield reveals trade-offs in response to drought in Brassica napus. *Journal of experimental botany*, eru423., Not Peer Reviewed/Refereed

Reuning, G., Bauerle, W. L., Mullen, J. L., McKay, J. K. (2014). Combining quantitative trait loci analysis with physiological models to predict genotype specific transpiration rates. *Plant, Cell and Environment*., Not Peer Reviewed/Refereed

Enjalbert, J.-N., Zheng, S., Johnson, J. J., Mullen, J. L., Byrne, P. F., McKay, J. K. (2013). Brassicaceae germplasm diversity for agronomic and seed quality traits under drought stress. *Industrial Crops and Products, 47*, 176–185., Not Peer Reviewed/Refereed

Enjalbert, J.-N., Zheng, S., Johnson, J. J., Mullen, J. L., Byrne, P. F., McKay, J. K. (2013). Brassicaceae germplasm diversity for agronomic and seed quality traits under drought stress. *Industrial Crops and Products, 47:*, 176-185., Not Peer Reviewed/Refereed

Fletcher, R. S., Mullen, J. L., Yoder, S., Bauerle, W. L., Reuning, G., Sen, S., Meyer, E., Juenger, T. E., McKay, J. K. (2013). Development of a next-generation NIL library in Arabidopsis thaliana for dissecting complex traits. *BMC genomics, 14*, 655., Not Peer Reviewed/Refereed

Meals, D., Vellidis, G., Cho, J. G., Crow, S., Hawkins, G., Mullen, J. L., Bosch, D., Sullivan, D., Lowrance, R., Wall, A., others (2012). Little River Experimental Watershed, Georgia: National Institute of Food and Agriculture-Conservation Effects Assessment Project. *How to Build Better Agricultural Conservation Programs to Protect Water Quality: The NIFA-CEAP Experience. Soil and Water Conservation Society, Ankeny*., Not Peer Reviewed/Refereed

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