Michael G. Muszynski
College of Tropical Agriculture and Human Resources
Tropical Plant and Soil Sciences
FTE Distribution: 30% I; 70% R

Education

Degree	University	Major
Bachelors	University of Toledo	Biology (1985)
PhD	Iowa State University	Genetics (1992)

Professional Appointments

Title	Employer	Dates Employed
Associate Professor	University of Hawai‘i – Mānoa	2022 – present
Assistant Professor	University of Hawai‘i – Mānoa	2015 – present
Assistant Professor	Iowa State University	2013 – 2015
Adjunct Assistant Professor	Iowa State University	2007 – 2013
Trait Genetics Scientist	Syngenta Seeds, Inc.	2006 – 2007
Research Scientist	Pioneer Hi-Bred Intl., Inc.	2002 – 2006
Senior Research Associate	Pioneer Hi-Bred Intl., Inc.	1995 – 2002
Post-doctoral Fellow	University of Missouri – Columbia	1993 – 1995

Courses Taught

Course Number and Title (credits)

1. BIOL/MCB 407 Molecular Biology I (3), every fall
2. TPSS 667 Graduate Seminar (1), every fall/spring
3. TPSS 674 Plant Growth and Development (3), odd spring
4. TPSS 614 Molecular Genetics of Crops (3), even spring

Publications (reverse chronological order)

Book Chapters

1. **Muszynski, M. G**. and M. D. Yandeau-Nelson, 2014. Molecular Genetics of Bioenergy Traits, In C. Goldman, S.L. and Kole, K. (eds), Compendium of Bioenergy Plants: Corn. CRC Press, 169-197.
2. Goldman, S.L., Sairam, R.V., **Muszynski, M.G**., Scott, P., Al-Abed, D., and S.D. Potlakayala, 2010. Understanding and manipulation of the flowering network and the perfection of seed quality, In C. Kole, C. Michler, A. Abbott and T.C. Hall (eds), Transgenic Crop Plants, Vol 2: Utilization and Biosafety. Springer-Verlag, 167-198.
3. Sairam R.V., Al-Abed, D., Johnson, J., **Muszynski, M.**, Raab, M., Reddy, T.V. and S. L. Goldman, 2009. Maize, In: C. Kole and T.C. Hall, (eds), Compendium of Transgenic Crop Plants. John Wiley & Sons, Ltd, 49–82.
4. Colasanti, J., and **M.G. Muszynski,** 2009. The Maize Floral Transition, In S. Hake and J. Bennetzen (eds), Handbook of Maize: Its Biology. Springer Science+Business Media, LLC, 41-56.

Conference Proceedings

1. Moose, S.P., **Muszynski, MG**, Rogowsky, R. and M. Guo, 2009. Putting the function in maize genomics. Plant Gen. 2:103-106.

Refereed Journal Publications

1. *Uyehara, A., Valle-Echevarria, A.R.D., Hunter, C.T., Nelissen, H., Demuynck, K., Cahill, J.F., Gormna, Z., Jander, G., and **M.G. Muszynski**. Cytokinin promotes jasmonic acid accumulation in the control of maize leaf growth. Plants 2023, 12(16), 3014; https://doi.org/10.3390/plants12163014.
2. *Maaz, T., Nguyen, N., Echevarria, A. R. D. V., Mileyko, Y., and **M. G. Muszynski**, 2021. A cohort-based undergraduate research experience in the agricultural sciences. Natural Sciences Education, 51, e20076. https://doi.org/10.1002/nse2.20076.
3. *Joo, K., **Muszynski, M. G.**, Kantar, M. B., Wang, M-L, He, X., and A. R. D. V. Echevarria, 2021. Utilizing CRISPR-Cas in Tropical Crop Improvement: A Decision Process for Fitting Genome Engineering to Your Species. Frontiers in Genetics 12:786140. doi: 10.3389/fgene.2021.786140.
4. **Muszynski, M.G.**, Moss-Taylor, L., Chudalayandi, S., Cahill, J., Valle-Echevarria, A.R.D., Alvarez-Castro, I., Petefish, A., Sakakibara, H., Krivosheev, D., Lomin, S., Romanov, G., Thamotharan, S., Li, B., and N. Brugière, 2020. The maize *Hairy Sheath Frayed1* (*Hsf1*) mutant alters leaf patterning through increased cytokinin signaling. The Plant Cell, 32: 1501 – 1518, https://academic.oup.com/plcell/article/32/5/1501/6115706
5. Stephenson, E., Estrada, S., Meng, X., Ourada, J., **Muszynski, M.G.,** Habben, J.E., and Danilveskaya, O.N., 2019. Over-expression of the photoperiod response regulator *ZmCCT10* modifies plant architecture, flowering time and inflorescence morphology in maize. PLoS ONE 14(2): e0203728. https://doi.org/10.1371/journal.pone.0203728.
6. Moran-Lauter, A.N., **Muszynski, M.G.,** Huffman, R.D., and M.P. Scott, 2017. A pectin methylesterase *ZmPme3* is expressed in *Gametophyte factor1-s* (*Ga1-s*) silks and maps to that trait locus in maize (*Zea mays* L.). Frontiers in Plant Science (doi: 10.3389/fpls.2017.01926).
7. Sun, X., Cahill, J., Van Hautegem, T., Feys, K., Whipple, C., Novák, O., Delbare, S., Versteele, C., Demuynck, K., De Block, J., Storme, V., Claeys, H., Van Lijsebettens, M., Coussens, G., Ljung, K., De Vliegher, A., **Muszynski, M.,** Inzé, D. and H. Nelissen, 2017. Altered expression of maize *PLASTOCHRON1* enhances biomass and seed yield by extending cell division duration. Nature Communications 8: 14752 (doi: 10.1038/ncomms14752).
8. Wolabu, T. W., Zhang, F., Niu, L., Kalve, S., Bhatnagar-Mathur, P., **Muszynski, M. G.,** and M. Tadege, 2016. Three *FLOWERING LOCUS T*-like genes function as potential florigens and mediate photoperiod response in sorghum. New Phytologist 210: 946-959 (https://doi.org/10.1111/nph.13834).
9. Nelissen, H., Eeckhout, D., Demuynck, K., Persiau, G., Walton, A., Van Bel, M., Vervoort, M., Candaele, J., De Block, J., Aesaert, S., Van Lijsebettens, M., Goormachtig, S., Vandepoele, K., Van Leene, J., **Muszynski, M.,** Gevaert, K., Inzé, D., and G. De Jaeger, 2015. Dynamical changes in ANGUSTIFOLIA3 complex composition reveal a growth regulatory mechanism in the maize leaf. The Plant Cell 27: 1605-1619 (doi: https://doi.org/10.1105/tpc.15.00269).
10. Chatterjee, M., Tabi, Z., Galli, M., Malcomber, S., Buck, A., **Muszynski, M.** and A. Gallavotti, 2014. The boron efflux transporter *rotten ear* is required for maize inflorescence development and fertility. The Plant Cell 26: 2962-2977.
11. Meng, X., **Muszynski, M.G.,** and O. N. Danilveskaya, 2011. The FT-like *ZCN8* gene functions as a floral activator and is involved in photoperiod sensitivity in maize. The Plant Cell, 23: 942-960.
12. Danilevskaya, O.N., Meng, X., McGonigle, B. and **M.G. Muszynski,** 2011. Beyond flowering time: Pleiotropic function of the maize flowering hormone florigen. Plant Signaling & Behavior 6: 1267-1270.

13. Vollbrecht, E., Duvick, J., Schares, J., Ahern, K., Deewatthanawong, P., Xu, L., Conrad, L., Kikuchi, K., Kubinec, T., Hall, B., Weeks, R., Unger-Wallace, E., **Muszynski, M.**, Brendel, V. and T. P. Brutnell, 2010. Genome-wide distribution of transposed dissociation elements in maize. The Plant Cell, 22: 1667–1685.

14. Ahern, K. R., Deewatthanawong, P., Schares, J., **Muszynski, M.,** Weeks, R., Vollbrecht, E., Duvick, J., Brendel, V. P. and T. P. Brutnell, 2009. Regional mutagenesis using *Dissociation* in maize. Methods 49(3): 248-254.

15. Borras, L., Zinselmeier, C., Senior, M. L., Westgate, M. E. and **M. G. Muszynski**, 2009. Characterization of grain-filling patterns in diverse maize germplasm. Crop Science, 49: 999-1009.

16. Danilveskaya, O.N, Meng, X., Selinger, D.A., Deschamps, S., Hermon, P., Vansant, G., Gupta, R., Ananiev, E.V. and **M.G. Muszynski,** 2008. Involvement of the MADS-box gene *ZMM4* in floral induction and inflorescence development in maize. Plant Physiology 147: 2054-2069.

17. **Muszynski, M.G.,** Dam, T., Shirbroun, D., Hou, Z., Bruggemann, E., Li, B., Archibald, R., Ananiev, E.V., and O. Danilevskaya, 2006. *delayed flowering1* (*dlf1*) encodes a basic leucine zipper protein that mediates floral inductive signals at the shoot apex in maize. Plant Physiology 142: 1523-1536.

18. Braun, D.B., Ma, Y., Inada, N., **Muszynski, M.G.** and R.F. Baker, 2006. *tie-dyed1* regulates carbohydrate accumulation in maize leaves. Plant Physiology 142: 1511-1522.

19. Ristic, Z., Wilson, K., Nelsen, C., Momcilovic, I., Kobayashi, S., Meeley, R., **Muszynski, M**., and J. Habben, 2004. A maize mutant with decreased capacity to accumulate chloroplast protein synthesis elongation factor (EF-Tu) displays reduced tolerance to heat stress. Plant Science 167: 1367-1374.

20. Danilevskaya O.N., Hermon P, Hantke S, **Muszynski M.G.,** Kollipara K, and E.V. Ananiev, 2003. Duplicated *fie* genes in maize: expression pattern and imprinting suggest distinct functions. Plant Cell, 15: 425-38.

21. Chuck, G., **Muszynski, M.,** Kellogg, E., Hake, S. and R.J. Schmidt, 2002. The control of spikelet meristem identity by the *branched silkless1* gene in maize. Science, 298: 1238-1241.

22. Papa, C.M., Springer, N.M., **Muszynski, M.G.**, Meeley, R. and S.M. Kaeppler, 2001. Maize chromomethylase *Zea methyltransferase2* is required for CpNpG methylation. Plant Cell, 13: 1919-1928.

23. Lawrence, C.J., Malmberg, R.L., **Muszynski M.G.**, and R.K. Dawe, 2001. Maximum likelihood methods reveal conservation of function among closely related kinesin families. J. Molecular Evolution , 54: 42 –53.

24. Broz, A.K., Thelen, J.J., **Muszynski, M.G.,** Miernyk, J.A. and D.D. Randall, 2001. ZMPP2, a novel type-2C protein phosphatase from maize. J Exp Bot, 52: 1739-1740.

25. van Nocker, S., **Muszynski, M.G.**, Briggs, K., and R. M. Amasino, 2000. Characterization of a gene from *Zea mays* related to the Arabidopsis flowering-time gene *LUMINIDEPENDENS*. Plant Molecular Biology, 44 (1):107-122.

26. Hoekenga, O.A., **Muszynski, M.G.** and K.C. Cone, 2000. Developmental patterns of chromatin structure and DNA methylation responsible for epigenetic expression of a maize regulatory gene. Genetics, 155: 1889-1902.

27. Cao, X, Springer, N.M., **Muszynski M.G.**, Phillips, R.L., Kaeppler, S. and S.E. Jacobsen, 2000. Conserved plant genes with similarity to mammalian *de novo* DNA methyltransferases. PNAS, 97: 4979-4984.

28. Thelen, J.A., **Muszynski, M.G.,** David, N.R., Luethy, M.H., Elthon, T.E., Miernyk, J.A., and D.D. Randall, 1999. The dihydrolipoamide S-acetyltransferase subunit of the mitochondrial pyruvate dehydrogenase complex from maize contains a single lipoyl domain. J Biol Chem, 274: 21769-21775.

29. Dawe, R.K., Reed, L.M., Yu, H.-G., **Muszynski, M.G.**, and E.N. Hiatt, 1999. A maize homolog of mammalian CENPC is a constitutive component of the inner kinetochore. The Plant Cell, 11: 1227-1238.

30. Yu, H.-G., **Muszynski, M.G.**, and R.K. Dawe, 1999. The maize homologue of the cell cycle checkpoint protein MAD2 reveals kinetochore substructure and contrasting mitotic and meiotic localization patterns. J Cell Biol, 145: 425-435.
31. Thelen, J.A., **Muszynski, M.G.,** Miernyk, J.A. and D.D. Randall, 1998. Molecular analysis of two pyruvate dehydrogenase kinases from maize. J Biol Chem, 273: 26618-26623.
32. **Muszynski, M.G.,** Gierl, A. and P.A. Peterson, 1992. Genetic and molecular analysis of a three-component transposable-element system in maize. Mol. Gen. Genet. 237:105-112.

Leadership Roles (Committees, Boards, Advisory, etc.)

1.	2023 – present	Communications Chair, Maize Genetics Cooperation, Inc., Board of Directors.
2.	2019	Local Organizer, 62nd Annual Maize Genetics Conference, Kona, HI, USA.
3.	2019	Chair, 61st Annual Maize Genetics Conference, St. Louis, MO, USA.
4.	2018	Co-chair, 60th Annual Maize Genetics Conference, St. Malo, France.
5.	2017 – present	Member Maize Genetics Conference Steering Committee
6.	2015 – present	Editorial Board member Nature - Scientific Reports
7.	2014 – 2015	Faculty advisor for ISU Undergraduate Genetics Club

Graduate Students

Category	Current Number of Students	Number Graduated (Career)
Chair of Master's Committees	2	4
Chair of PhD Committees	1	0
Member of Master's Committees	1	5
Member of PhD Committees	2	10

Grant Support

Title of Grant:	Conference: Building Bridges to Use-Inspired Research and Science-Informed Practices
Source of Grant:	NSF Emerging Frontiers
Total Dollar Value (Your share of the grant value):	$542,762 ($63,993)
Dates of Grant:	3/1/2023– 2/28/2025
Role (PI, CoPI):	co-PI

Title of Grant:	Testing CRISPR-Cas9 gene editing components using a protoplast system in the tropical yam species *Dioscorea alata*.
Source of Grant:	UHM UROP
Total Dollar Value (Your share of the grant value):	$5000
Dates of Grant:	1/2022– 12/2022
Role (PI, CoPI):	co-PI

Title of Grant:	RII Track-2 FEC: Genome Engineering to Sustain Crop Improvement (GETSCI).
Source of Grant:	NSF EPSCoR
Total Dollar Value (Your share of the grant value):	$3,993,756
Dates of Grant:	10/2021– 9/2025
Role (PI, CoPI):	PI

Title of Grant:	Building genome engineering capacity for tropical and orphan crops.

Source of Grant:	USDA HATCH Supplement
Total Dollar Value (Your share of the grant value):	$41,722
Dates of Grant:	7/2021– 6/2022
Role (PI, CoPI):	PI

Title of Grant:	Determining the effects on leaf growth of three jasmonic acid deficient maize mutants.
Source of Grant:	UHM UROP
Total Dollar Value (Your share of the grant value):	$4979
Dates of Grant:	11/2020– 5/2021
Role (PI, CoPI):	co-PI

Title of Grant:	Ho‘akamai: Building Expertise in FACT Using Active Learning (BE-FACTUAL)
Source of Grant:	US Department of Agriculture (2019-05082)
Total Dollar Value (Your share of the grant value):	$497,636
Dates of Grant:	10/2020 - 9/2025
Role (PI, CoPI):	co-PI

Title of Grant:	Genome2Phenome: Precision phenotyping to quantify plant growth plasticity
Source of Grant:	UHM UROP – Faculty grant
Total Dollar Value (Your share of the grant value):	$5,000
Dates of Grant:	5/2019 – 12/2019
Role (PI, CoPI):	PI

Title of Grant:	Identification of genetic determinants controlling crop growth plasticity
Source of Grant:	USDA HATCH Supplement
Total Dollar Value (Your share of the grant value):	$80,000
Dates of Grant:	10/2018 – 9/2020
Role (PI, CoPI):	PI

Title of Grant:	Positional cloning of the maize mutant *Hairy Sheath Frayed2* (*Hsf2*)
Source of Grant:	UHM UROP – Student grant
Total Dollar Value (Your share of the grant value):	$4,926
Dates of Grant:	10/2016 – 9/2018
Role (PI, CoPI):	co-PI

Title of Grant:	Deciphering the Role of Jasmonic Acid on Maize Leaf Growth.
Source of Grant:	USDA HATCH Supplement
Total Dollar Value (Your share of the grant value):	$75,000
Dates of Grant:	10/2016 – 9/2018
Role (PI, CoPI):	PI

Title of Grant:	Development of Functional Molecular Markers for the *Ga1* Locus

Source of Grant:	USDA SCA
Total Dollar Value (Your share of the grant value):	$30,000
Dates of Grant:	7/2012 – 6/2014
Role (PI, CoPI):	PI

Title of Grant:	Fostering Multi-Institutional Interactions and Exploring Opportunities for Future Collaborations to Improve Biology Instruction
Source of Grant:	ISU CELT TEACH grant
Total Dollar Value (Your share of the grant value):	$2,000
Dates of Grant:	10/2011
Role (PI, CoPI):	PI

Title of Grant:	Functional Analysis of Leaf Pattern Formation
Source of Grant:	NSF IOS-1022452
Total Dollar Value (Your share of the grant value):	$525,000
Dates of Grant:	8/2010 – 7/2014
Role (PI, CoPI):	PI

Title of Grant:	Molecular Isolation and Functional Characterization of the *gametophyte factor1* (*ga1*) Locus of Maize
Source of Grant:	Syngenta Seeds, Inc.
Total Dollar Value (Your share of the grant value):	$247,066
Dates of Grant:	8/2009 – 12/2011
Role (PI, CoPI):	PI

Presentations at Conferences

Oral Presentations

Title:	Amending the late flowering photoperiod response in tropical maize
Authors (put an asterisk on the presenter):	Michael Muszynski*
Name of Conference:	Corn Breeder Research Meeting 2023
Location:	St. Louis, MO
Date of Presentation:	March 2023

Title:	Optimizing CRISPR-Cas9 components for gene editing in the yam *Dioscorea alata*
Authors (put an asterisk on the presenter):	Yousef Sarameh*, Honors undergraduate student
Name of Conference:	46th Annual Tester Symposium
Location:	Honolulu, HI
Date of Presentation:	April 2022

Title:	How altering the plant hormone jasmonic acid influences leaf growth dynamics in maize
Authors (put an asterisk on the presenter):	Zoe Asahan*, Honors undergraduate student
Name of Conference:	Univ. of Hawaii Undergraduate Showcase
Location:	UHM, online
Date of Presentation:	April 30, 2021

Title:	Mapping and characterization of *Hairy Sheath Frayed2* (*Hsf2*) – a new leaf patterning mutation in maize.
Authors (put an asterisk on the presenter):	Chelsea Tanaka*, Honors undergraduate student
Name of Conference:	Univ. of Hawaii Undergraduate Showcase
Location:	UHM, online
Date of Presentation:	December 11, 2020

Title:	Diverse Career Paths
Authors (put an asterisk on the presenter):	Michael Muszynski*
Name of Conference:	Plantae Plant Postdoc Slack webinar
Location:	online
Date of Presentation:	September 24, 2020

Title:	Cloning and characterization of *Hairy Sheath Frayed2* (*Hsf2*) – a new leaf patterning mutation in maize
Authors (put an asterisk on the presenter):	Chelsea Tanaka* and Michael Muszynski
Name of Conference:	2019 Summer Undergraduate Research Experience (SURE) Symposium
Location:	Univ. of Hawaii, Honolulu, HI
Date of Presentation:	August 2, 2019

Title:	Update on leaf patterning mechanisms
Authors (put an asterisk on the presenter):	Dylan Oates* and Michael Muszynski
Name of Conference:	Maize Developmental and Cell Biology pre-meeting
Location:	St. Louis, MO
Date of Presentation:	March 14, 2019

Title:	Characterizing the cytokinin responsive determinants of leaf patterning in maize.
Authors (put an asterisk on the presenter):	Dylan Oates* and Michael Muszynski
Name of Conference:	61st Annual Maize Genetics Conference
Location:	St. Louis, MO
Date of Presentation:	March 14-17, 2019

Title:	Cytokinin promotes jasmonic acid accumulation in growing leaves
Authors (put an asterisk on the presenter):	A. R. Del Valle-Echevarria * and Michael Muszynski
Name of Conference:	61st Annual Maize Genetics Conference
Location:	St. Louis, MO
Date of Presentation:	March 14-17, 2019

Title:	Using a maize cytokinin mutant to study organ formation
Authors (put an asterisk on the presenter):	Dylan Oates* and Michael Muszynski
Name of Conference:	CTAHR/COE Student Research Symposium
Location:	Honolulu, HI
Date of Presentation:	April, 2018

Title:	Dissecting a new connection between cytokinin and jasmonic acid in control of leaf growth
Authors (put an asterisk on the presenter):	Michael Muszynski*
Name of Conference:	60th Annual Maize Genetics Conference,
Location:	St. Malo, France
Date of Presentation:	March 2018

Title:	Characterization and positional cloning of the maize mutant *Hairy Sheath Frayed2* (*Hsf2*)
Authors (put an asterisk on the presenter):	Miranda Yip*, Honors undergraduate student.

Name of Conference:	Univ. of Hawaii Undergraduate Showcase
Location:	Honolulu, HI
Date of Presentation:	May 2018
Title:	Investigating the roles of jasmonic acid and cytokinin in maize leaf growth control
Authors (put an asterisk on the presenter):	Aimee Uyehara*, MS student
Name of Conference:	2017 American Society for Horticultural Science
Location:	Kona HI
Date of Presentation:	September 2017
Title:	Investigating the roles of jasmonic acid and cytokinin in maize leaf growth control
Authors (put an asterisk on the presenter):	Aimee Uyehara*, MS student
Name of Conference:	CTAHR/COE Student Research Symposium (*won Gamma Sigma Delta award for best MS oral presentation*)
Location:	Honolulu, HI
Date of Presentation:	April 2017
Title:	Cytokinin hypersignaling reprograms maize proximal-distal leaf patterning
Authors (put an asterisk on the presenter):	Sivanandan Chudalayandi*, Post-doctoral fellow.
Name of Conference:	57th Maize Genetics Conference
Location:	St. Charles, IL
Date of Presentation:	March 2015
Title:	Inappropriate cytokinin signaling alters leaf patterning and growth in maize.
Authors (put an asterisk on the presenter):	Michael Muszynski*, *keynote speaker*
Name of Conference:	Maize as a model plant.
Location:	Ghent, Belgium
Date of Presentation:	September 2013
Title:	Inappropriate cytokinin signaling alters proximal-distal leaf patterning in maize.
Authors (put an asterisk on the presenter):	Michael Muszynski*
Name of Conference:	Gordon Research Conference, Plant Molecular Biology: Genomic Approaches to Plant Signaling Systems
Location:	Holderness, NH
Date of Presentation:	July 2012
Title:	The proximal – distal pattern of maize leaf growth is altered by mutations in a cytokinin signaling protein.
Authors (put an asterisk on the presenter):	Michael Muszynski*
Name of Conference:	FASEB Summer Research Conference, Mechanisms in Plant Development
Location:	Saxtons River, VT
Date of Presentation:	August, 2010
Title:	The proximal – distal pattern of maize leaf growth is altered by mutations in a cytokinin receptor kinase protein.
Authors (put an asterisk on the presenter):	Michael Muszynski*
Name of Conference:	27th Annual IPG Symposium, Plant Protein Phosphorylation
Location:	Columbia, MO
Date of Presentation:	May 2010

Title:	The proximal – distal pattern of maize leaf growth is altered by mutations in a cytokinin signaling protein.
Authors (put an asterisk on the presenter):	Michael Muszynski*
Name of Conference:	52nd Maize Genetics Conference
Location:	Riva del Garda, Italy
Date of Presentation:	March 2010

Title:	The *delayed flowering1* (*dlf1*) gene encodes a bZIP protein regulating floral signals at the shoot apical meristem in maize
Authors (put an asterisk on the presenter):	Michael Muszynski*
Name of Conference:	48th Annual Maize Genetics Conference
Location:	Asilomar, CA
Date of Presentation:	March 2006

Poster Presentations

Title:	Amending the late flowering photoperiod response in tropical maize with gene editing
Authors (put an asterisk on the presenter):	Michael Muszynski*
Name of Conference:	VIB Translational Research in Crops
Location:	Ghent, Belgium
Date of Presentation:	June 2023

Title:	The flowering phenotypes of temperate and tropical maize grown in short and long day field environments
Authors (put an asterisk on the presenter):	Fernanda Ghenov*, Graduate student
Name of Conference:	65th Annual Maize Genetics Conference
Location:	St. Louis, MO
Date of Presentation:	March 2023

Title:	Analysis of flowering time network function in tropical maize grown in different photoperiods.
Authors (put an asterisk on the presenter):	Fernanda Ghenov*, Graduate student
Name of Conference:	46th Annual Tester Symposium
Location:	Honolulu, HI
Date of Presentation:	April 2022

Title:	Optimizing shoot propagation in *Dioscorea alata* "The Orphaned Crop"
Authors (put an asterisk on the presenter):	Justene Deubel*, Graduate student
Name of Conference:	46th Annual Tester Symposium
Location:	Honolulu, HI
Date of Presentation:	April 2022

Title:	Optimizing CRISPR/Cas9 components to create tropical sweet corn using gene editing.
Authors (put an asterisk on the presenter):	Rick Su*, Undergraduate student
Name of Conference:	46th Annual Tester Symposium
Location:	Honolulu, HI
Date of Presentation:	April 2022

Title:	Cloning and characterization of *Hairy Sheath Frayed2* (*Hsf2*) – a new

	leaf patterning mutation in maize.
Authors (put an asterisk on the presenter):	Chelsea Tanaka*, Honors undergraduate student
Name of Conference:	2019 Summer Undergraduate Research Experience (SURE) Symposium
Location:	Honolulu, HI
Date of Presentation:	July 2019
Title:	Characterizing the cytokinin responsive determinants of leaf patterning in maize
Authors (put an asterisk on the presenter):	Dylan Oates*, MS student
Name of Conference:	61st Annual Maize Genetics Conference
Location:	St. Louis, MO
Date of Presentation:	March 2019
Title:	Cytokinin promotes jasmonic acid accumulation in growing leaves.
Authors (put an asterisk on the presenter):	Dr. Angel R. Del Valle Echevarria*, Assistant Researcher
Name of Conference:	61st Annual Maize Genetics Conference
Location:	St. Louis, MO
Date of Presentation:	March 2019
Title:	Using a maize cytokinin mutant to study organ formation.
Authors (put an asterisk on the presenter):	Dylan Oates*, MS student (wont best departmental MS poster award)
Name of Conference:	CTAHR/COE Student Research Symposium
Location:	Honolulu, MI
Date of Presentation:	April 2018
Title:	Using a maize cytokinin mutant to study organ formation.
Authors (put an asterisk on the presenter):	Dylan Oates*, MS student
Name of Conference:	2017 American Society for Horticultural Science
Location:	Kona, Hi
Date of Presentation:	September 2017
Title:	Dissecting a new connection between cytokinin and jasmonic acid in control of leaf growth.
Authors (put an asterisk on the presenter):	Michael Muszynski*
Name of Conference:	FASEB Conference - Mechanisms in Plant Development
Location:	Saxtons River, VT
Date of Presentation:	July 2017
Title:	
Authors (put an asterisk on the presenter):	
Name of Conference:	
Location:	
Date of Presentation:	