Biographical Sketch
James R. Myers

Baggett-Frazier Endowed Chair of Vegetable Breeding and Genetics
Oregon State University

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Education

1. University of Wisconsin-Madison. Plant Breeding and Plant Genetics, Ph.D. 1981 - 1984
2. University of Wisconsin-Madison. Plant Breeding and Plant Genetics, M.S. 1979 - 1981
3. Kansas State University, Manhattan, KS, Horticulture, B.S. 1977 - 1978
4. Beloit College, Beloit, WI. 1972 – 1976

Positions

1. Professor of Vegetable Breeding and Genetics, Oregon State University, 2003- present
2. Assoc. Professor of Vegetable Breeding and Genetics, Oregon State University, 1996 - 2003
3. Assoc. Professor of Plant Breeding and Genetics, University of Idaho-Kimberly, 1993 - 1996
4. Assist. Professor of Plant Breeding and Genetics, University of Idaho-Kimberly, 1987 - 1993
5. Research Specialist, Department of Agronomy, University of Kentucky, 1985 -1987
6. Postdoctoral Fellow, Department of Agronomy, University of Kentucky, 1984 – 1985

Honors and Awards:

1. ASHS Outstanding Cross-Commodity Publication Award winner as coauthor on paper "Trait Diversity and Potential for Selection Based on Variation Among Regionally Adapted Processing Tomato Germplasm"
2. Clif Bar Family Foundation Seed Matters Graduate Research Fellowship (2012)
3. Award for Excellence for Outstanding Contributions to Western Region Multistate Research as a member of the W-1150 technical committee (2009).
4. Bean Improvement Cooperative Distinguished Achievement Award (1999)
5. Baggett-Frazier Vegetable Breeding Endowed Professorship (1996 – present)

Grants Received:

In the past 17 years, $6,861,209 have been received in critically peer reviewed grants and $2,114,556 in non peer reviewed grants and contracts.

Collaborators and Other Affiliations

1. Current Collaborators
   Mazourek, Cornell University; J. Dawson, B. Tracy and E. Silva, University of Wisconsin-Madison; Micaela Colley and Jared Zystro, Organic Seed Alliance, Port Townsend, WA; J. Orsono, K. McPhee, P. McClean, North Dakota State University; P. Kusolwa, Sokoine University of Agriculture; Tanzania, E. Lammerts van Bueren, Wageningen University, Netherlands; P. Miklas, USDA-ARS, Prosser, WA; J. Steadman, University of Nebraska; M. Grusek, USDA-ARS, Austin TX; J. Kelly, Michigan State University; M. Brick, Colorado State University; A. Karasev, University of Idaho; M. Farnham, USDA-ARS, Charlston, SC.
2. Thesis Advisor: Dr Earl Gritton (UW-Madison, emeritis)
   Postdoctoral Advisor: Dr Glenn Collins (University of Kentucky, emeritis)

3. Graduate Students: Laurie McKenzie (M.S.), Christina Hagerty (M.S.), Mustafa Al Jadi (M.Ag.), Shawna Zimmerman (M.S.), Miles Barrett (M.S.), Peter Boches (Ph.D.), Erron Haggard (M.S.), Paul Kusolwa (Ph.D.), Barbara Gilmore (Ph.D.), Peter Mes (Ph.D.) Rebecca Brown (Ph.D.) Carl Jones (M.S.), Nihat Guner (M.S.), Kevin McPhee (Ph.D.) Muhammad Shahsawar (M.S.)
4. Postdoctoral Associates: S. Nchimbi

Synergistic Activities:

1. Originator of high anthocyanin tomatoes; release of 'Indigo Rose'(2011), Indigo Plumdrops (2014), & Indigo Peardrops (2014)
2. Project Director of the USDA-NFIA-OREI funded "Northern Organic Vegetable Improvement Collaborative"
3. Co Principle Investigator on "CROPTIME: A collaborative phenology modeling system to enhance crop management on vegetable farms".
4. Co-editor of the book "Organic Plant Breeding" published by Wiley-Blackwell in 2012
5. Co Principle Investigator on "White mold resistance-QTL: identification, interactions, and fine mapping in common bean"
6. Co Principle Investigator on "Development of virus-resistant yellow bean seed for domestic sale and export to Mexico"

Refereed publications in the last five years

1. Hagerty, C. and J.R. Myers. 2016. QTL associated with snap bean pod quality and processing traits in common bean. Journal of the American Society of Horticultural Science, (in press).
2. Kusolwa, P.M., J.R. Myers, T.G. Porch, Y. Trukhina, A. González-Vélez, and J.S. Beaver. 2016. Registration of AO-1012-29-3-3A red kidney bean germplasm line with bean weevil, BCMV and BCMNV resistance. J. Plant Registrations (in press).
3. Kleintop. A.E., J.R. Myers, D. Echeverria, H.J. Thompson and M.A. Brick. 2015. Total phenolic content in a diverse collection of snap bean (*Phaseolus vulgaris* L.) cultivars. Journal of the American Society of Horticultural Science, 141:1–9.
4. Feng X., J.R. Myers, and A.V. Karasev. 2015. A bean common mosaic virus isolate exhibits a novel pathogenicity profile in common bean, overcoming the *bc-3* resistance allele coding for the mutated eIF4E translation initiation factor. Phytopathology 105:1487-1495.
5. Hagerty, Christina H. Aphonso Cuesta-Marcos, Perry Cregan, Q. Song, Phillip McClean, Steven Noffsinger and James R. Myers. 2015. Mapping *Fusarium solani* and *Aphanomyces euteiches* root rot resistance and root architecture quantitative trait loci in common bean (*Phaseolus vulgaris*). Crop Science (doi: 10.2135/cropsci2014.11.0805).
6. Miklas, Phillip N., Deidré Fourie, Jennifer Trapp, Joel Davis, and James R. Myers. 2014. A new locus *Pse-6* conferring resistance to halo bacterial blight in common bean. Crop Science Crop Science 54:2099-2108.
7. Renaud, Erica N.C., Edith T. Lammerts van Bueren, James R. Myers, Maria João Paulo, Fred A. van Eeuwijk, Ning Zhu, John A. Juvik. 2014. Variation in broccoli cultivar phytochemical content under organic and conventional management systems: Implications in breeding for nutrition. PLoS ONE 9(7): e95683. doi: 10.1371/journal.pone.0095683.
8. Renaud, Erica N.C., Edith T. Lammerts van Bueren, Maria João Paulo, Fred A. van Eeuwijk, John A. Juvik, Mark G. Hutton, James R. Myers. 2014. Broccoli cultivar performance under

organic and conventional management systems and implications for crop improvement. Crop Science 54:1539-1554. doi:10.2135/cropsci2013.09.0596

9. Feng, X., A.R. Poplawsky, O.V. Nikolaeva, J.R. Myers, and A.V. Karasev. 2014. Recombinants of Bean common mosaic virus (BCMV) and genetic determinants of BCMV involved in overcoming resistance in common beans. Phytopathology 104:786-793. http://dx.doi.org/10.1094/PHYTO-08-13-0243-R..
10. Miklas, P.N., L.D. Porter, J.D. Kelly, and J.R. Myers. 2013. Characterization of white mold disease avoidance in common bean. Eur J Plant Pathol DOI 10.1007/s10658-012-0153-8.
11. Merk, H.L., S.C. Yarnes, A. Van Deynze, N. Tong, N. Menda, L.A. Mueller, M.A. Mutschler, S.A. Loewen, J.R. Myers, and D.M. Francis. 2012. Trait Diversity and Potential for Selection Indices Based on Variation among Regionally Adapted Processing Tomato Germplasm. J. Amer. Soc. Hort. Sci. 137:427–437.
12. Sim S-C., A. Van Deynze, K. Stoffel, D.S. Douches, D. Zarka, M.W. Ganal, R.T. Chetelat, S.F. Hutton, J.W. Scott, R.G. Gardner, D.P. Panthee, M. Mutschler, J.R. Myers, D.M. Francis. (2012) High-Density SNP genotyping of tomato (*Solanum lycopersicum* L.) reveals patterns of genetic variation due to breeding. PLoS ONE 7(9): e45520. doi:10.1371/journal.pone.0045520
13. Kusolwa, P.M. and J.R. Myers. 2012. Peptide sequences from seed storage proteins of tepary bean (*Phaseolus acutifolius*) accession G40199 demonstrate the presence of multiples variants of APA proteins. Int. J. Biochem. Biotech. 1:12-18.
14. Kusolwa, P.M., and J.R. Myers. 2011. Seed storage proteins ARL2 and its variants from the APA locus of wild tepary bean G40199 confers resistance to *Acanthoscellides obtectus* when expressed in common beans. Afr. Crop Sci. J. 19:255-265.
15. Boches, P., B. Peterschmidt and J.R. Myers. 2011. Evaluation of a subset of the *Solanum lycopersicum* var. *cerasiforme* core collection for horticultural quality and fruit phenolic content. Hortscience 46:1450-1455.
16. Lammerts van Bueren, E.T., S.S. Jones, L. Tamm, K.M. Murphy, J.R. Myers, C. Leifert and M.M. Messmer. 2011. The need to breed crop varieties suitable for organic farming using wheat, tomato and broccoli as examples: A review. Netherlands Journal of Agricultural Sciences. 58:193–205. (DOI: 10.1016/j.njas.2010.04.001).

Relevant selected publications

1. Myers, James R. and Ken Kmiceik. Economic and Academic Significance of Common Bean. 2015. Marcelino Pérez de la Vega, Marta Santalla, and Frédéric Marsolais (Eds. The Common Bean (*Phaseolus vulgaris* L.) Genome. Springer series "Compendium of Plant Genomes". (Series editor is Prof. Chittaranjan Kole.) (in press)

2. de Milliano, Walter A.J., Edith T. Lammerts van Bueren, Roeland E. Voorrips, and James R. Myers. 2014. Resistance and resistance breeding. *In*: Maria Finckh (ed.) Plant Diseases and Their Management in Organic Agriculture. APS Press.

3. Myers, J.R. 2014. New Cooperative Models in Plant Breeding. Proceedings of the 2014 Summit on Seeds and Breeds for the 21st Century Agriculture, Washington D.C. Mar. 5-7, 2014. (http://rafiusa.org/docs/2014SummitProceedings.pdf)

4. Lammerts van Bueren, E., and J.R. Myers (editors). 2012. Organic Plant Breeding. Wiley-Blackwell.