

# CURRICULUM VITA

## James R. Myers

*Rank:* Professor

*Title:* Baggett-Frazier Endowed Professor of Vegetable Breeding and Genetics

*Specialty:* Plant breeding & genetics

FTE: 50% research; 25% scholarship; 10% outreach; 10% teaching; 5% Service.

*Mandate:* Breed vegetables for improved adaptation, quality, and disease resistance, and discover the genetic structure of crops of interest. Program focuses mainly on green bean and dry bean, but other crops including snap pea, broccoli, pumpkin and summer squash, tomato, and sweet corn are studied. A significant component of my work includes collection and characterization of germplasm, and involvement in organic and international agriculture. ORCID: <https://orcid.org/0000-0003-0976-144X>

### A. EDUCATION AND PROFESSIONAL EXPERIENCE

- 2003- present Professor of Vegetable Breeding and Genetics, Oregon State University, Corvallis.  
1996 - 2003 Associate Professor of Vegetable Breeding and Genetics, Oregon State University, Corvallis.  
1993 - 1996 Associate Professor of Plant Breeding and Genetics, University of Idaho, Kimberly.  
1987 - 1993 Assistant Professor of Plant Breeding and Genetics, University of Idaho, Kimberly.  
1985 -1987 Research Specialist, Department of Agronomy, University of Kentucky-Lexington.  
1984 - 1985 Postdoctoral Fellow, Department of Agronomy, University of Kentucky-Lexington.  
1981 - 1984 Graduate Research Assistant, University of Wisconsin-Madison.  
Ph.D., Plant Breeding and Plant Genetics, Minor: Botany (Systematics)  
1979 - 1981 Graduate Research Assistant, University of Wisconsin-Madison.  
M.S., Plant Breeding and Plant Genetics  
1977 - 1978 Horticulture, Kansas State University, Manhattan, KS.  
B.S., Horticulture  
1972 - 1976 Beloit College, Beloit, Wisconsin

### B. TEACHING, ADVISING, AND OTHER ASSIGNMENTS:

#### 1. Instructional Summary

##### a. Credit courses

- HORT 402 (Independent Study: Ind/Veg Crop Systemics & Adapt); HORT 520 (Current topics in research) F'2020. (Hort 433/533 was canceled due to the pandemic but offered lab section as a field class to undergraduate and graduate students.
- HORT433/533 Vegetable Systematics and Production fall term from 1996 – 1998, 2008, 2010, 2012, 2014 – 2019, 2021-2023
- HORT233 Vegetable Crops from 1999 – 2006 (taught in alternate years fall term)
- HORT512 Crop Plant Domestication (winter term 2001, 2006, 2010)
- HORT512 Intellectual Property and Crop Plants (winter term 2007, 2009, 2011)
- HORT505 Crop Plant Domestication and Evolution (spring term 2008, 2013, 2016)
- HORT505 Plants and Patents (spring term 2014, 2017)
- PBG 556 Domestication of Crop Plants (spring term 2018, 2020, 2022)
- PBG 557 Plants and Patents (spring term 2019, 2021)
- PBG 450 Plant breeding (Ecampus, winter term 2022-2023) Instructor: Burcu Celebioglu w/ Myers supervising.
- PBG 552 Organic Plant Breeding and Seed Production (Ecampus, spring term 2022-2023)

#### Guest lectures:

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Class	Lecture subject	Years
CROP 325 Agricultural & Environmental Predicaments: A Case Study Approach	The intellectual property landscape	2018, 2019,2023, 2024

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<b>Class</b>	<b>Lecture subject</b>	<b>Years</b>
PBG 519	Vegetable Breeding Program	2023
HORT450/550 Plant Breeding	Vegetable Breeding and Pollination laboratories	1998 – 2019, 2022- 2023
HORT111/112 Introduction to Horticultural Systems, Practices and Careers	Plant Breeding	1998 – present
HORT511/520 Research and Educational Perspectives in Horticulture	Vegetable Breeding Program	1998 – present
CROP330 World Food Crops	Vegetables	2011- present
CROP330 World Food Crops	Grain Legumes of the world	2003- present
MCB435/535	Intellectual property in crop breeding and biotechnology	2011- present
PBG431	Linkage mapping	2015-2022
AGRI411/511 Food Systems	Genetically Modified: A comparison of plant breeding and genetic engineering approaches to plant improvement; Coexistence & labeling (2 lectures)	2015-2021
FCSJ422/522 Intercultural Learning Community	Vegetable Breeding & Intellectual Property	2016
HORT 400/599 Adv. Organic Farming	Breeding for Organic Systems	2015
HORT 400/599 Adv. Organic Farming	Cell fusion, CMS and broccoli hybrids	2014
Wageningen University Plant Breeding Topics (M.S. level)	Breeding for human nutrition with special emphasis on high anthocyanin tomatoes	2014
PBG 519 Current Topics in Plant Breeding and Genetics	Vegetable Breeding Program	2013, 2015
BOT 220 Introduction to Plant Biology	Plant breeding lecture and tomato variety evaluation field trip to Vegetable Research Farm	2013
HC407 (Food IQ)	Feeding 9 Billion – GMOs or Not?	2012
CSS/Hort/AREC 199 (Issues in Sustainable Agriculture)	Breeding for Organic Production	2011
ANS/AREC/CSS/HORT 438 Exploring World Agriculture	Dutch vegetable seed production and breeding	2009
Organic Plant Breeding and Seed Production (Wageningen University, Edith Lammerts van Bueren, instructor. This class was among the top ten classes at WU in 2008-2009, and was awarded a €25,000 prize.)	Organic seed production and public plant breeding in the USA	2008, 2009
	Breeding strategy for robustness in organic broccoli varieties in USA	2008, 2009
BIO 430/530	Intellectual Property Issues and Plant Biotechnology	2007-2009, 2011-2014
CSS 620 DNA Fingerprinting	DNA Fingerprinting module (taught principle components analysis)	2006-2007, 2010
CSS 499/ENSC 399 Intro to Organic Farming	Breeding for organic systems	2006
CSS 201 World Crops	Grain Legumes of the world	2002
CSS 138 Current Topics in Plant Breeding	Origin of new diseases using BCMNV as an example	2002
BRR 100	Bean common mosaic virus	2000

*b. Non-Credit Courses and Workshops*

(Abbreviations: NOVIC – Northern Organic Vegetable Improvement Collaborative)

- Tomato Fest, Well Spent Market, (Myers, Selman, Landgraver) 9/16/2023
- Green Bean Fest, Well Spent Market, (Myers, Selman, Landgraver) 8/5/2023.
- Overview of Intellectual Property Protection. Organic Seed Production Online Course (Myers & Colley), virtual, 7/20/2023.
- NOVIC: Overview and retrospective on the project (Myers, Selman, Kamsler, Wilson), The Mahonion, Portland, OR, 1/23/2023 (25).
- NOVIC Plant Breeding Workshop (Myers, Colley, Selman, Tracy), Chimacum, WA 8/4 / 8/7/19.
- Master Gardener's training – plant breeding module, 1/31/19 Tangent, OR.
- NOVIC Plant Breeding Workshop (Myers, Colley, Selman, Mazourek), Charlottesville, Virginia 9/11 – 9/12/18.
- NOVIC Plant Breeding Workshop (Myers, Colley, McKenzie, Tracy), Waimanalo, Oahu Hawaii 3/11 – 3/12/18
- NOVIC Regional Farmers Meeting, (Myers & Selman), Silver Falls, OR 1/31-2/1/2018
- NOVIC Plant Breeding Workshop (Myers, Mazourek, Tracy, & McKenzie), Missoula MT 9/12-15/16
- NOVIC Plant Breeding Workshop (Myers, Mazourek, Tracy & Colley), Ft. Collins, CO 9/11-13/15
- Horticulture Law 101: Developing and Monetizing Plant Varieties and Strains: The nuts & bolts of applying for US PVP, with comparisons to other countries' programs. Cannabis and Intellectual Property, Law Seminars International. Portland Convention Center, Portland, OR. June 2015.
- Seeds & Breeds for 21st Century Agriculture: Trends in Vegetables. Organicology. February 2015, Portland OR.
- On Farm participatory plant breeding workshop. March 10, 2014. Wedgewood Resort, Fairbanks, AK.
- Breeding Peas, Sweet Corn, Broccoli, Winter Squash and Carrots as part of NOVIC. (Introduction and Pea breeding) eOrganic live broadcast. Jan. 19-21, 2012.  
<http://www.extension.org/pages/61925/organic-seed-growers-conference-2012:-selected-live-broadcasts#novic>.
- Breeding for Nutrition in Organic Seed Systems Webinar. Part 2: Breeding Tomatoes for Increased Flavonoids. eOrganic Webinar. Mar. 23, 2012.  
<http://www.extension.org/pages/62564/breeding-for-nutrition-in-organic-seed-systems-webinar>.
- How to Breed for Organic Production Systems, Oct. 18, 2011. Plant Breeding and Genomics Webinar Series. <http://www.extension.org/pages/60431/how-to-breed-for-organic-production-systems-webinar>.
- Plant Breeding Workshop. Jul. 27-28, 2011. Gathering Together Farm, Philomath, OR. NOVIC sponsored training program co-organized and co-taught with Organic Seed Alliance.
- Plant Breeding Workshop. Jun. 16-17, 2010. Common Ground Farm, Olympia, WA. NOVIC sponsored training program co-organized and co-taught with Organic Seed Alliance.
- Breeding Vegetables for Developing Countries. Jul. 21, 2005. Colloquium at American Society of Horticultural Science meetings, Las Vegas, NV. (My role was organizer and moderator).
- International Sweet Corn Development Association Technical Program. Dec. 9, 2004. International Sweet Corn Development Association Meetings, Chicago, IL (My role was organizer and moderator).
- Bean Seed Multiplication, Dissemination, Entrepreneurship and Quality Concerns in East Africa: Current Status and Future Needs. Jan. 12-14, 2001 Arusha, Tanzania. (Proceedings available at <http://eastafrikaCRSP.wsu.edu/workshop0101.html>). Co-organizer along with Carol Miles (Washington State University), Robert Mabagala (Sokoine University of Agriculture, Tanzania) and Charles Masangano (Bunda College of Agriculture, Malawi)

*c. Curriculum Development*

PBG552 Plant Breeding and Seed Production in Organic Systems. Spring, 2022.

d. Undergraduate, graduate and post-doctoral trainees

Graduate Students; Major Professor or co-Advisor (12 Ph.D., 16 M.S., 1 M.Ag.)

Casey Wilson	M.S. <i>Characterization of bicolor in Cucurbita moschata</i> ; August, 2023.
Burcu Çelebioğlu	Ph.D. <i>Color and Photosynthetic Variability of Leaves and Pods, and Genome Wide Association Studies Using the Snap Bean Association Panel (SnAP)</i> ; August, 2023.
Ahmet Ağır	M.S. <i>Development of a multi-parent advanced generation inter-cross (MAGIC) population and analysis of a nested association mapping (NAM) population for improvement of genetic resistance to white mold in snap bean</i> ; June, 2023.
Keiji Nishimoto	M.S. <i>Breeding tomatoes</i> (on medical leave of absence).
Hayley Park	M.S. <i>Breeding Snap Beans for organic agriculture: Quantification and application of key traits</i> ; June 2022.
Micaela Colley	Ph.D. <i>Advancing organic agriculture utilizing participatory plant breeding, action learning, and a systems approach.</i> ; (Wageningen University; coadvisor w/ Edith Lammerts van Bueren & Julie Dawson - U Wisc.-Madison) November, 2022
Melike Cirak	M.S. <i>Solving the persistent color germination problem in common bean</i> ; June, 2020
Monzarath Hernandez	M.S. <i>Selection of table beet for pigments and soluble solids</i> ; March, 2020
Ryan King	M.S. <i>Differential genomic shifts caused by selection under organic vs. conventional environments in green beans</i> ; June, 2019.
Lyle Wallace	Ph.D. <i>Sensory Analysis and Genetic Mapping of Green Bean Flavor</i> ; March, 2018
Kara Young	Ph.D. <i>Breeding late blight resistant tomatoes for organic systems</i> ; withdrawn
Haidar Anwar Arkwazee	Ph.D. <i>Quantitative Trait Loci and Genome Wide Association Study for Resistance to White Mold in Common (Snap) Bean</i> ; March, 2018
Abigail Huster	M.S. <i>Investigating the Genetic Control of Fusarium Root Rot Resistance in Snap Beans</i> ; August 2016
Erica Renaud	Ph.D. <i>Breeding and regulatory opportunities and constraints for developing broccoli cultivars adapted to organic agriculture</i> ; (Wageningen University; coadvisor w/ Edith Lammerts van Bueren) July 2014
Noor Al Bader	M.S. <i>Genetic analysis of rogues in green beans</i> ; August 2014
Mustafa Al Jadi	M.Ag. <i>Economic importance of stay green in vegetable crops</i> ; June 2013
Christina Hagerty	M.S. <i>Genetic analysis of root rot resistance in common bean</i> ; March 2013.
Maitree Gopal	Ph.D. <i>Genetic analysis of root rot resistance in common bean</i> ; withdrawn June 2010.
Laurie McKenzie	M.S. <i>Breeding broccoli for organic systems</i> ; March 2013.
Steve Tygard	M.S. <i>Phenolics of common bean</i> ; withdrawn.
Shawna Zimmerman	M.S. <i>Transfer, Characterization and Mapping of White Mold Resistance in an Advanced Backcross Interspecific Population Between Phaseolus vulgaris and Phaseolus coccineus</i> ; June, 2010.
Miles Barrett	M.S. <i>Marker assisted selection and transfer of white mold QTL into snap beans</i> ; June, 2009.
Peter Boches	Ph.D. <i>Breeding Tomatoes for increased fruit phenolics</i> ; March 2009.
Erron Haggard	M.S. <i>Characterization of physiological resistance to white mold and search for molecular markers linked to resistance via advanced backcross QTL analysis in an interspecific cross between Phaseolus coccineus and P. vulgaris</i> ; June 2007.

- Paul Kusolwa Ph.D. *Breeding for bruchid resistance in common bean (Phaseolus vulgaris L.): Interspecific introgression of lectin-like seed proteins from tepary bean (P. acutifolius A. Gray), genetic control and bruchid resistance characterization*; June 2007.
- Barbara Gilmore Ph.D., *Genetic resistance to white mold (Sclerotinia sclerotiorum (Lib.) De Bary) in Scarlet Runner Beans (Phaseolus coccineus L.)*. Oregon State University; June 2007.
- Peter Mes Ph.D., *Breeding Tomatoes for Improved Antioxidant Activity*. Oregon State University, June, 2005.
- Rebecca Brown Ph.D., *Traditional and Molecular Approaches to Zucchini Yellow Mosaic Virus Resistance in Cucurbita*. Oregon State University, July 2001.
- Carl Jones M.S., *Evaluation of carotenoids and anthocyanins in high pigment, processing, heirloom, and anthocyanin fruit tomatoes*. Oregon State University, September 2000.
- Nihat Guner M.S., *Genetic analysis of an architectural mutant in common bean*. Oregon State University, December 1998.
- Prior to OSU*
- Kevin McPhee Ph.D., *Determination of environmental and genetic effects controlling raffinose-family oligosaccharide accumulation in common bean (Phaseolus vulgaris L.) seeds*. University of Idaho. May 1995.
- Muhammad Shahsawar M.S., *Effect of drought stress on yield, yield components and carbon isotope discrimination in dry bean (Phaseolus vulgaris L.)*. University of Idaho. May 1994.

Committee Member (23 Ph.D., 18 M.S., 1 M.Ag.)

- Nima Samadi Ph.D. Crop Science, 2025
- Hayley Park Ph.D. Botany & Plant Pathology, 2026
- Rachel Cross M.S. Horticulture, 2024
- Hannah Velazquez M.S. Horticulture, 2023
- Javier Fernandez-Salvador Ph.D. Horticulture, 2023
- Grace Fuchs M.S. Crop & Soil Science, 2023
- Mahmut Diker Ph.D. Horticulture, 2022 (withdrawn)
- Mohammad Morad Ph.D. Crop & Soil Science, 2021
- Travis Tubbs Ph.D. Crop & Soil Science, 2021
- Kristin Neil M.S. Horticulture, 2020
- Gardenia Orellana Arreaga M.S. Plant Pathology, (University of Idaho) 2019
- Shankar K Shakya Ph.D. Botany Plant Pathology, 2019
- Mitra Ansari PhD Botany Plant Pathology 2018
- Liseth Zubieta M.S. Horticulture (Purdue Univ.), 2018
- Virginia Skillman M.S. Horticulture, 2017
- Rachel Bomberger M.S. Botany & Plant Pathology, 2013
- Michael Quinn Ph.D. Crop Science, 2010
- Aya Akagi Ph.D. Horticulture, 2008
- Michael Dossett M.S. Horticulture, 2007
- Bonnie Hoffman M.S. Horticulture, 2005
- Robin Hawley M.S., Crop Science, August, 2005
- Pizzaro Guillermo Ph.D. Crop Science, pending
- Eung Jun Park Ph.D. Horticulture, June 2005
- Samudra Weerantunge M.Ag., Horticulture, June 2005
- Hialu Anyhalem M.S., Horticulture, March 2005
- Cate Hass M.S., Crop Science, December 2004
- Yueju Wang Ph.D., Horticulture, May 2003
- Mr. Venkatakrishakishore Ph.D., Crop Science, Mar. 2002
- Sureeporn Katengam Ph.D., Crop Science, Oct. 1999
- Ming Yan M.S., PSES, UI, May 1994

Graduate Representative

Melisa Vergara	Ph.D., Botany Plant Pathology, 2026
Michael Nagel	Ph.D., Forest Ecosystems and Society, 2023
Berit Nelsen	Ph.D., Anthropology, 2021
Estefania Elorriaga	Ph.D., Forest Ecosystems and Society, 2020
Mitra Ansariola	Ph.D., MCB, 2018
Amanda Vondras	Ph.D., Horticulture, 2017
Caroline Spiese	M.S., Anthropology, 2016
Andrew Hubbard	M.S., Botany Plant Pathology, May 2011
Kimberly Gossen	M.S., Anthropology, June, 2008.
Kristin Kirkpatrick	M.S., Anthropology, Oct. 2001.
Joseph L. Ebersole	Ph.D., Fish and Wildlife, Sep. 2001.
Valanne Glooschenko	Ph.D., Environmental Sciences, withdrawn.

## External Examiner (3 Ph.D., 1 M.Sc.)

Hussien Beshir	Ph.D. <i>Improving Snap Bean (Phaseolus vulgaris L.) Production under Reduced Input System</i> . Plant Science, University of Saskatchewan, Saskatoon, Canada, Jun. 2015.
Geoffry Kananji	Ph.D. <i>A study of bruchid resistance and its inheritance in Malawian dry bean germplasm</i> , African Center for Crop Improvement, University of KwaZulu-Natal, South Africa. Oct. 2007.
Parthiba Balasubramanian	Ph.D., <i>Selection for chilling and freezing resistance in common bean</i> , Crop Science, University of Saskatchewan, Saskatoon, Canada, Aug. 2003.
Lilian Chiumia	M.Sc., <i>Identification and characterization of bean common mosaic virus (BCMV) in bean (Phaseolus vulgaris) germplasm collected from different markets in Malawi</i> , Plant Protection, Bunda College of Agriculture, University of Malawi, Malawi, Jun. 2000.

## External graduate student short term research projects

Caroline Maro	M.S. graduate student at Sokoine University of Agriculture, Morogoro, Tanzania. Jan. - Mar. 2016.
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## Undergraduate Student Directed Research (30 students)

*Post 1996:*

Paige Nosal	2023; Need to breed for BNF in green beans
Heidi Nunnemacher	2023; Marker assisted selection for late blight resistance in tomato
Charlotte Epps	2023; Evaluation of sweet potato cultivars and production for Oregon
Taylor Kamsler	2023; Evaluation of mashua cultivars for culinary and human nutrition traits (Horticulture Senior Thesis)
Myrtle Horel	2022; Edible dahlias as a new food crop (Horticulture Senior Thesis)
Cristiana Vallejos	2019; Screening for late blight resistance in tomato (Horticulture Senior Thesis)
Huang Sung Yuan	2018; Marker assisted selection for virus resistance in yellow dry bean (Horticulture Senior Thesis)
Alexandria Kershner	2018; Screening for pospiviroids in the OSU tomato breeding program (Honors program senior thesis)
Ryan Miller	2016; Races of clubroot on Brassicas in the Willamette Valley (Horticulture Senior Thesis)
Michelle Reers	2016; Andean tuber crops (Honors program senior thesis)
Zach Kraemer	2016; Evaluating snap bean cultivars for response to addition of biological and mineral nitrogen (Horticulture Senior Thesis)
Teague Green	2014; A study of medicinal plants in the Sambirano valley of Madagascar (Honors program, BA in International Studies in Biology)

Joseph Schmidt	2013; INDELS associated with root rot resistance in common bean (Earnest and Pauline Jaworski Scholarship Fund for Undergraduate Summer Research)
Victoria Skillman	2013; Directed study on cucurbit breeding and genetics; final product was a poster (Horticulture Senior Thesis)
Ceely Will	2012-14; Relationship of plant architecture to white mold resistance in green beans. (Horticulture Senior Thesis)
Kara Young	2011-12; CMS and outcrossing in broccoli. (Horticulture Senior Thesis)
Noor Al-Bader	2010-2011; Updating a linkage map for green beans. (Horticulture Senior Thesis)
Michael Kennedy	2009-10; Identification of broccoli and onion varieties suitable to organic production. (Horticulture Senior Thesis)
Todd Dalotto	2008-10; Characterization of P20 high anthocyanin tomato breeding line for horticultural and phytochemical traits. Honors Thesis project.
Brooke Peterschmidt	2007-08; Characterization of <i>Solanum lycopersicum</i> var. <i>cerasiforme</i> for fruit polyphenolic content. Ernest and Pauline Jaworski Fund (participated in Howard Hughes Medical Institute program).
Danya Rumore	2006, Evaluation of bell pepper varieties and breeding lines under organic conditions. Howard Hughes Medical Institute Internship.
Danny Duncan	2005, Identification of an improved red onion for western Oregon (Horticulture Senior Thesis)
Lara Fritz	2004, Investigation of Oca ( <i>Oxalis tuberosa</i> Mol.) as a potential vegetable crop in the Pacific Northwest. (Committee member on honors thesis in Environmental Science).
Stephanie Manzo	2002, Evaluating green bean lines for resistance to white mold (Horticulture Senior Thesis)
Chris DeBen	2002, Relationship of leaf firing, root rot incidence, and yield in sweet corn (Horticulture Senior Thesis)
Dan Meyer	2001-2002, Breeding 'Golden Delicious' pumpkins for virus resistance (Horticulture Senior Thesis)
Shirley Paul	2001-2002, Search for linkage with stringlessness in peas (Horticulture Senior Thesis)
Jennifer Peterson	1999, Germination studies in stringless snap peas - directed study.
James Franz	1997-98, Bean seed coat color genetics - directed study.
Holly Hopping	1997-98, Head smut resistance in sweet corn (Horticulture Senior Thesis)

*Pre 1996:* 3 students (1988 – 1991)

#### Postgraduate Training

Kacem Chammakhi	(Head PVP & Plant Quarantine, Tunisia) Jul. – Aug. 2006 Borlaug Fellowship Program.
Susan Nchimbi-Msolla	(Professor & dry bean breeder, Sokoine Univ. Agric., Tanzania) Jan. - Mar. 2000, Molecular marker fingerprinting of East African bean landraces and cultivars. UNESCO Biotechnology Grant

## 2. Student & Participant/Client Evaluation

### a. Credit Courses

#### On-Campus

Course #	Term	Enrolled	Course SET Median			Instructor SET Median		
			Your	HORT	Univ	Your	HORT	Univ
HORT 433/533	F 2023	11	5.8	5.7	5.6	6.0	5.8	5.7

### 3. Peer Teaching Evaluations

### 4. Advising

N/A

### 5. Other Assignments

## C. SCHOLARSHIP AND CREATIVE ACTIVITY

### 1. Publications

#### a. Peer Reviewed

#### **i. Refereed publications (84 publications)**

- Celebioglu B., J.R. Myers, J.P. Hart, T. Porch, P. Griffiths. 2024. Phenotypic variability for leaf and pod color within the snap bean association panel. *J. Am. Soc. Hortic. Sci.* 149(1):15-26. <https://doi.org/10.21273/JASHS05326-23>.
- Celebioglu B., J.R. Myers, J.P. Hart, T. Porch, P. Griffiths. 2023. Genome-wide association study to identify possible candidate genes of snap bean leaf and pod color *Genes* 14(12), 2234; <https://doi.org/10.3390/genes14122234>
- Park, H.E., L. Nebert, R. King, P. Busby and J. Myers. 2023. Influence of organic plant breeding on the rhizosphere microbiome of common bean (*Phaseolus vulgaris* L.). *Frontiers in Plant Science*. DOI: 10.3389/fpls.2023.1251919.
- Arkwazee, H.A., L.T. Wallace, J.P. Hart, P.D. Griffiths and J.R. Myers. 2022. Genome wide association study (GWAS) of white mold resistance in snap bean. *Genes* 13(12), 2297; <https://doi.org/10.3390/genes13122297>
- Parker, T., J. Cetz, L.L. de Sousa, S. Kuzay, S. Lo, T. de Oliveira Floriani, S. Njau, E. Arunga, J. Duitama, J. Jernstedta, J.R. Myers, V. Llaca, A. Herrera-Estrella, and P. Gepts. 2022. Loss of pod strings in common bean is associated with gene duplication, retrotransposon insertion, and overexpression of *PvIND*. *New Phytologist*. <https://doi.org/10.1111/nph.18319>.
- Myers, James R., Alice K. Formiga, and Jules Janick. 2022. Iconography of beans and related legumes following the Columbian exchange. *Frontiers in Plant Science*. 13: 546, <https://doi.org/10.3389/fpls.2022.851029>.
- Maro, C.N., P.M. Kusolwa, G.M. Tryphone, J.R. Myers, and J.W. Davis. 2022. Identification of potential seed storage protein responsible for bruchid resistance in common bean landraces from Tanzania and Malawi. *African Journal of Biotechnology*, 21:35-45.
- Colley, M.C., J.C. Dawson, C. McCluskey, J.R. Myers, W.F. Tracy and E.T. Lammerts van Bueren. 2021. Exploring the emergence of participatory plant breeding in countries of the global North – a review. *Journal of Agricultural Science*. First View , pp. 1 – 19. DOI: <https://doi.org/10.1017/S0021859621000782>
- Huster, A.R., L.T. Wallace and J.R. Myers. 2021. Associated SNPs, heritabilities, trait correlations, and genomic breeding values for resistance in snap beans (*Phaseolus vulgaris* L.) to root rot caused by *Fusarium solani* (Mart.) f. sp. *phaseoli* (Burkholder). *Front Plant Sci.* 12:697615. <https://doi.org/10.3389/fpls.2021.697615>.
- Cirak, M. and J.R. Myers. 2021. The cosmetic stay-green trait in snap bean and the event cascade that reduces seed germination and emergence. *J. Amer. Soc. Hort. Sci.* 146:329–338. <https://doi.org/10.21273/JASHS05038-20>.
- Jaiswal A.K., T.D. Mengiste, J.R. Myers, D.S. Egel and L.A. Hoagland. 2020. Tomato domestication attenuated responsiveness to a beneficial soil microbe for plant growth promotion and induction of systemic resistance to foliar pathogens. *Front. Microbiol.* 11:604566. <https://doi.org/10.3389/fmicb.2020.604566>.
- MacQueen, A., J.W. White, R. Lee, J.M. Osorno, J. Schmutz, P.N. Miklas, J. Myers, P.E. McClean and T. Juenger. 2020. Genetic associations in four decades of multi-environment trials reveal agronomic trait evolution in common bean. *Genetics*. 215:267-284. <https://doi.org/10.1534/genetics.120.303038>.
- Myers, J.R., L.T. Wallace, S.M. Moghaddam, A.E. Kleintop, D. Echeverria, H.J. Thompson, M.A. Brick, R. Lee and P.E. McClean. 2019. Improving the health benefits of snap bean: Genome wide association studies of total phenolic content. *Nutrients*. 11:2509; <https://doi.org/10.3390/nu11102509>.



- Lyon A, W. Tracy M. Colley P. Culbert, M. Mazourek, J. Myers, J. Zystro, E.M. Silva. 2019. Adaptability analysis in a participatory variety trial of organic vegetable crops. *Renew. Agric. Food Syst.* 35:296-312. <https://doi.org/10.1017/S1742170518000583>
- Wallace, L., H. Arkwazee, K. Vining and J.R. Myers. 2018. Genetic diversity within snap beans and their relation to dry beans. *Genes.* 9:587. <https://doi.org/10.3390/genes9120587>.
- Feng, X., G.E. Orellana, J.R. Myers, and A.V. Karasev. 2018. Recessive resistance to bean common mosaic virus conferred by the *bc-1* and *bc-2* genes in common bean (*Phaseolus vulgaris* L.) affects long distance movement of the virus. *Phytopathology* 108:1-8. <https://doi.org/10.1094/PHYTO-01-18-0021-R>.
- Heinrich, A., J. Myers, and S. Kawai. 2017. Screening brassica cultivars for resistance to western Oregon clubroot pathotypes. *HortTechnology* 27:510-516. (doi: 10.21273/HORTTECH03694-17).
- Feng, X., P. Guzmán, J.R. Myers and A.V. Karasev. 2017. Resistance to bean common mosaic necrosis virus conferred by the *bc-1* gene affects systemic spread of the virus in common bean. *Phytopathology* 107:893-900. <https://doi.org/10.1094/PHYTO-01-17-0013-R>.
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- Celebioglu, B., & J.R. Myers. Photosynthetic Traits Variability in Leaves and Pods within the Snap Bean Association Panel.
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- Park, H.E., R.M. King, K. Vining, J. Davis, Q. Song and J.R. Myers. Organic Movement: How breeding environment shifts snap bean genetics and field performance.

**ii. Juried exhibits: N/A**

**iiia. Books (peer-reviewed)**

- Wehner, Todd, Rachel Naegele, Kevin Crosby, James R. Myers and Narinder Dhillon (coeditors). 2020. Cucurbits (Crop Production Science in Horticulture), Second Edition, CABI.
- Lammerts van Bueren, E., and J.R. Myers (editors). 2012. *Organic Plant Breeding*. Wiley-Blackwell.

**iiib. Book Chapters (peer reviewed) (16 chapters)**

- Parker, T.A., J. Acosta Gallegos, J. Beaver, M. Brick, J.K. Brown, K. Cichy, D.G. Debouck, A. Delgado-Salinas, S. Dohle, E. Ernest, C. Estevez de Jensen, F. Gomez, B. Hellier, A.V. Karasev, J.D. Kelly, P. McClean, P. Miklas, J.R. Myers, J.M. Osorno, J.S. Pasche, M.A. Pastor-Corrales, T. Porch, J.R. Steadman, C. Urrea, L. Wallace, C.H. Diepenbrock, and P. Gepts. 2023. Genetic Resources and Breeding Priorities in *Phaseolus* Beans: Vulnerability, Resilience, and Future Challenges. *Plant Breeding Reviews*. 46:269-420.
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#### iv. Extension Publications Post 1996: (17 publications):

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*Pre 1996:* 29 publications (1990 – 1996)

**v. Proceedings articles (50 papers)**

- Myers, J.; Tracy, W.; Colley, M.; Mazourek, M.; Labate, J.; Uchanski, M.; Dawson, J.; Zystro, J.; McKenzie, L.; McCluskey, C. and Selman, L. 2021. Participatory plant breeding and trialing to increase farmer choice in vegetable varieties through the NOVIC project. Organic World Congress 2021, Science Forum: 6th ISOFAR Conference co-organised with INRA, FiBL, Agroecology Europe, TP Organics and ITAB, Rennes, France, 8 - 10 September, 2021. (Virtual oral presentation.)
- Myers, J.R. The biological considerations of Brassica breeding. Session: Knowledge Exchange on Breeding Better Brassicas Organic Seed Growers Conference, Corvallis OR 2/15/20. (invited)
- Myers, J.R. License overview & how IP applied in the OSU breeding program. Session: Finding a path forward on seed licensing. Organic Seed Growers Conference, Corvallis OR 2/14/20. (invited)
- Kimura, A., et al., Citizen Science Workshop Honolulu, HI 4/26 – 4/30/2018 (invited).
- Hoagland, L., Colley, M., Dawson, J., Davis, J., Egel, D., Gu, S., Mengiste, M., Myers, J., Zystro, J., 2018. Tomato management and improvement project (TOMI): An interdisciplinary approach to managing foliar pathogens in tomato. *Acta Horticulturae* DOI:10.17660/ActaHortic.2018.1207.27.
- Myers, J.R., B. Baker, & E.T. Lammerts van Bueren. 2018. U.S. perspective. In: Emerging Technologies in the Development of New Plant Varieties Panel Discussion. 9<sup>th</sup> Organic Seed Growers Conference, Corvallis, OR, 16-17 Feb., 2018.
- Myers, J.R., F. Morton, K. Hubbard, J. Dawson. 2018. Intellectual property primer and action plan. In: Addressing Intellectual Property Rights in Organic Seed Systems Panel. Discussion. 9<sup>th</sup> Organic Seed Growers Conference, Corvallis, OR, 16-17 Feb., 2018.
- Myers, J.R. & D. Egle. 2018. Microbial Hitchhikers on Seed: Friend or Foe? Panel Discussion. 9<sup>th</sup> Organic Seed Growers Conference, Corvallis, OR, 16-17 Feb., 2018. (eOrganic webinar:  
<https://www.youtube.com/watch?v=MF1e8nn-W7g&t=0s&index=10&list=PLZMuQJAJ6rOrNLdmYjks31AXhtx-xR3KY> ).
- Myers, J.R., J. Zystro, J. Dawson 2018. Taking Tomatoes Totally Organic Panel Discussion. 9<sup>th</sup> Organic Seed Growers Conference, Corvallis, OR, 16-17 Feb., 2018.
- Myers, J. 2016. Breeding Crucifers for Organic Production – Public Sector Perspective. 8<sup>th</sup> Organic Seed Growers Conference, Corvallis, OR, 4-6 Feb, 2016. pp 58-59.
- Myers, J. 2016. The New NOVIC (Northern Organic Vegetable Improvement Collaborative) and Organic-Vegetable Breeding Efforts in Oregon and Beyond. 8<sup>th</sup> Organic Seed Growers Conference, Corvallis, OR, 4-6 Feb, 2016. pp 23-24.

- Myers, J.R. 2014. New Cooperative Models in Plant Breeding. Proceedings of the 2014 Summit on Seeds and Breeds for the 21<sup>st</sup> Century Agriculture, Washington D.C. Mar. 5-7, 2014.  
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- Myers, J.R. 2014. Status of Cytoplasmic Male Sterility (CMS) in Vegetable Brassicas 7<sup>th</sup> Organic Seed Growers Conference, Corvallis, OR Jan. 30 – Feb. 1, 2014. pp. 134–143.
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- Renaud, E.N.C., E.T. Lammerts van Bueren, J. Jiggins C. Maliepaard, J. Paulo, J.A. Juvik, and J.R. Myers. 2010. Breeding for specific bioregions: a genotype by environment study of horticultural and nutritional traits integrating breeder and farmer priorities for organic broccoli cultivar improvement. *In: Goldringer, I., J. Dawson, F. Rey, and A. Vettoretti (eds.) Breeding for resilience: a strategy for organic and low-input farming systems? EUCARPIA 2nd Conference of the "Organic and Low-Input Agriculture" Section.* 1-3 December 2010, Paris, France. pp.127-130.  
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- Myers, J.R., B.S. Gilmore, J.E. Haggard, M. Barrett, S. Zimmerman, & J. Davis. 2008. Transfer of Sclerotinia resistance from *Phaseolus coccineus* to *P. vulgaris*: An assessment. National Sclerotinia Initiative meeting, Minneapolis MN, Jan 23-25.
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- Myers, J.R. 2002. The Public plant breeder: Understanding the phenotype. Plant Improvement in the Genomic Age, Sixty-third Annual Biology Colloquium, Apr. 18, OSU, Corvallis.  
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- Myers, J.R. 2001. Vegetable disease overview. Western Washington Horticultural Association meetings, Jan. 4-5., Seattle, WA, 2001 Proceedings. p. 41-42.
- Myers, J.R., J. Davis, D. Kean, S. Nchimbi-Msolla and R. Misangu. 2001. Backcross breeding to introduce arcelin alleles into improved African bean cultivars. Bean/Cowpea CRSP East Africa Bean Workshop, Jan. 12-14, 2001. <http://eastafrikaCRSP.wsu.edu/workshop0101/Myers.pdf>
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- Guner N., and J.R. Myers. 1999. Characterization of a mutant conferring novel plant habit in common bean. Bean Improvement Cooperative Meetings, Calgary, AB, 10-12 November, 1999. (poster)
- Myers, J.R. 1998. Direction of vegetable breeding in the Pacific Northwest. Proc. Oregon Hort. Soc. 89:79-84.
- Myers, J.R. 1998. New insights into the genetics of BCMV resistance. 25 May, 1998, Third Pan-African Pathology Working Group Meeting, Thika, Kenya. (invited presentation).
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- Myers, J.R., C.A. Strausbaugh, R.L. Forster, and P.E. McClean. 1995. Resistance and tolerance to bean common mosaic virus in bean. Bean Improvement Cooperative Meetings, E. Lansing, MI, 25-28 October, 1995.
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- Myers, J.R., and P.E. McClean. 1995. Study of the "light" corona colors in common bean. Bean Improvement Cooperative Meetings, E. Lansing, MI, 25-28 October, 1995.
- Park, S.J., T.E. Michaels, J.R. Myers, D.W.A. Hunt, and K. Stewart-Williams. 1995. Outcrossing rates of common beans grown in Ontario and Idaho. Bean Improvement Cooperative Meetings, E. Lansing, MI, 25-28 October, 1995.
- Stewart-Williams, K., and J.R. Myers. 1992. Effect of population density on seed size in dry bean. Natl. Dry Bean Council/Bean Improv. Coop. Meetings, Lincoln, NE.
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- Myers, J.R. 1991. Values and use of the National Dry Bean Nurseries. Natl. Dry Bean Council/Bean Improv. Coop. Meetings, Lincoln, NE. (invited paper).
- Myers, J.R. 1990. Analysis of National and Regional Bean Trial Information. Ninth SUA/CRSP Bean Research Workshop and Second SADCC/CIAT Regional Bean Research Workshop. Sokoine University of Agriculture, Morogoro, Tanzania. 17-22 September, 1990. (Invited paper)
- Myers, J.R. 1990. Post-release Considerations: Genetic Drift, Outcrossing, Mixtures, and Seed Stock Maintenance. Ninth SUA/CRSP Bean Research Workshop and Second SADCC/CIAT Regional Bean Research Workshop. Sokoine University of Agriculture, Morogoro, Tanzania. 17-22 September, 1990. (Invited paper)
- Hoogenboom, G., D.H. Wallace, J.W. Jones, and J.R. Myers. 1989. The international nursery for modeling of bean growth and development. Bean Improv. Coop. Toronto, ON.
- Myers, J.R. and D.H. Wallace. 1989. How different dry bean market classes achieve yield: Yield system analysis. Bean Improv. Coop. Toronto, ON.



**vi. Abstracts from conferences without published proceedings (112 abstracts)**

- Xuesong Zhou, Gregory Inzinna, James Myers, Michael Mazourek and Li Li. 2024. Discovering Genetic Basis of High Carotenoid Accumulation from Squash. American Society of Plant Biologists Meeting 22-26 Jun. 2024, Honolulu, HI. (poster)
- Celebioglu, B., J.P. Hart, P. Griffiths, T. Porch and J.R. Myers. 2023. Genome-wide association studies of vegetative color and photosynthesis in *Phaseolus vulgaris*. Plant & Animal Genome Conference 13-18 Jan. 2023, San Diego, CA. (poster)
- Myers, J.R. 2023. Issues in breeding snap beans for organic production. Final Conference of the EU H2020 BRESOV Project. Agrigento, Sicily, Italy. 3/29-30/2023. (invited)
- Agir, Ahmet, Joel Davis, Haidar Arkwazee, Phil Miklas, Phil McClean, Juan Osorno and James R. Myers 2023. White mold resistance QTL: identification, interactions, and fine mapping in common bean: QTL mapping & MAGIC snap bean populations. National Sclerotinia Initiative meeting, Fargo, ND, 18-19 Jan 2023.
- Agir, Ahmet R., Haidar Arkwazee, Joel Davis, and James R. Myers. 2023. Nested Association Mapping (NAM) of Resistance to White Mold and Agronomic Performance in Four Common Bean Populations. National Sclerotinia Initiative meeting, Fargo, ND, 18-19 Jan 2023. (poster)
- Myers, J.R. 2022. High anthocyanin indigo tomatoes: Origins, characteristics and current status. American Society for Horticultural Science Conference 30-Jul – 03 Aug. 2022, Chicago, IL. (oral)
- Wilson, C.K. and J.R. Myers. 2022. Precocious yellow (*B*) of *Cucurbita moschata* is allelic to *C. pepo*, but not the *C. maxima B* gene. American Society for Horticultural Science Conference 30-Jul – 03 Aug. 2022, Chicago, IL. (eposter)
- Hoagland, L., M. Bloomquist, A. Carvallo, M. Colley, J.M. Davis, J. Davis, J. Dawson, D. Egel, A. Formiga, R. Fulk, S. Gu, A. Jaiswal, C. McCluskey, T. Mengiste, J.R Myers, K. Richardville, L. Qu and J. Zystro. 2022. The TOMI Project: Leveraging beneficial microbiomes and farmer partnerships to prevent disease in organically grown tomatoes. American Society for Horticultural Science Conference 30-Jul – 03 Aug. 2022, Chicago, IL. (eposter)
- Celebioglu, B., J.P. Hart, P. Griffiths, T. Porch and J.R. Myers. 2022. Genome-wide association studies of leaf color using the Snap Bean Association Panel (SnAP). Plant & Animal Genome Conference 8-12 Jan. 2022, San Diego, CA. (poster, virtual)
- Myers, J.R., Bill Tracy, Micaela Colley, Michael Mazourek, Joanne Labate, Mark Uchanski, Julie Dawson, Jared Zystro, Laurie McKenzie, Cathleen McCluskey and Lane Selman. 2021. NOVIC (Northern Organic Vegetable Improvement Collaborative) as a model for organic plant breeding and trialling to increase farmer choice for certified organic seed. Organic Horticulture Symposium 2020, III International Organic Fruit Symposium & International Organic Vegetable Symposium, ISHS. 14-16 Dec. 2021. (Invited, oral virtual)
- Aksoy U., L. Bargione, R. Betancour, M. Colley, M. Grieshop, A. Hammermeister, S. Ramasamy, G. Berg, V. Chable, O. Campolo, L.A. Hoagland, M. Messmer, & J. Myers. 2021. Roundtable on Future Perspectives for Organic Horticulture. Organic Horticulture Symposium 2020, III International Organic Fruit Symposium & International Organic Vegetable Symposium, ISHS. 14-16 Dec. 2021. (Invited, oral virtual)
- Park, H.E., R.King & J.R. Myers. 2021. Parting with Pigment: New Opportunities in Breeding Snap Beans for Organic Processing Production. Bean Improvement Cooperative Meeting,
- Branham, S.E., J. Hart, P. Griffiths, T. Porch, M. Mazourek, M. Gore, and J. Myers. 2021. Genetic diversity, population structure and linkage disequilibrium in a SnAP bean association panel and its potential for genome-wide association studies. ASA-CSSA-SSSA International Annual Meeting, Salt Lake City, UT. Nov. 7-10, 2021.
- Miklas, P., J. Myers, P. McClean & J. Osorno. 2021. White mold resistance QTL: identification, interactions, and fine mapping in common bean. 2021 National Sclerotinia Initiative Annual (Virtual) Meeting. 01/21-01/22 2021.
- Celebioglu, B. and J.R. Myers 2020 Variability of color and relative chlorophyll content in snap bean leaves and pods. ASHS Annual Conference, 2020 (virtual poster).
- Myers, J.R. Lessons learned in farmer participatory plant breeding with the Northern Organic Vegetable Improvement Collaborative. Southeast Organic Agriculture Research and Education Forum, Southern Sustainable Agriculture Working Group conference, Little Rock, AR 1/23/20. (invited)

- Myers, J.R. Status and landscape of snap bean breeding worldwide. Bean Improvement Cooperative meetings, Fargo, ND 11/3 – 11/7/19. (invited presentation).
- Cirak, M. and J.R. Myers Cosmetic stay-green in snap bean: understanding deleterious effects on germination and emergence. Bean Improvement Cooperative meetings, Fargo, ND 11/3 – 11/7/19. (poster)
- King, R.M. and J.R. Myers Genomic shifts in different agricultural management systems. Bean Improvement Cooperative meetings, Fargo, ND 11/3 – 11/7/19. (poster)
- Wallace, L.T., E. Tomasino, and J.R. Myers. A descriptive sensory evaluation and volatile quantification of a diverse green bean panel. Bean Improvement Cooperative meetings, Fargo, ND 11/3 – 11/7/19. (poster)
- Hernandez, M., L. Hoagland, Beck N. Cerruti, M. Colley, J. Davis, J. Dawson, D. Egel, B. Emerson, S. Gu, L. Zubieta Hernandez, T. Jones, C. McCluskey, L. McKenzie, T. Mengiste, J. Myers, L. Qu, J. Zystro. 2019. Evaluating TOMI for foliar pathogen in Pacific Northwest. National Association of Plant Breeders meeting, Table Mountain, GA 8/24-8/29/19. (poster)
- Cirak, M., K. Cook, J.R. Myers 2019. Cosmetic Stay-green in snap bean: understanding deleterious effects on germination and emergence. American Society of Horticultural Sciences meeting, Las Vegas, NV (poster) 7/24/19.
- Myers, J.R. L. Wallace, H.A. Arkwazee, J. Davis, R. Lee, P.E. McClean. 2019. Yellow pods, low carotenoids and a candidate gene for the snap bean wax pod trait. American Society of Horticultural Sciences meeting, Las Vegas, NV (recorded presentation: <https://ashs.confex.com/ashs/2019/recordingredirect.cgi/id/7299>). 7/21 – 7/26/19.
- Jaiswal, A.J., T. Mengiste, J. Myers and L. Hoagland. 2019. A look on the wild side of tomato plants to tackle biotic stresses. International Society for Molecular Plant-Microbe Interactions. XVIII Congress, Gasgow, Scotland, July 14-18, 2019.
- Myers, J.R. Keys to Success for Large Multi-regional Grants: Organization, Goals and Successes of the Northern Organic Vegetable Improvement Collaborative (NOVIC), NIFA Grants—Strategies for Successful Applications, ASHS meetings, 2 Aug 2018. Washington, DC. (Invited)
- Myers, J., H. Arkwazee, J. Davis, P. Miklas, J. Hart, and P. McClean. 2018. GWAS and QTL mapping of white mold resistance in common bean. National Sclerotinia Initiative Meetings, 17-18 Jan., Bloomington, MN.
- Myers, J.R. A. Huster, L. Wallace and C. Hagerty. 2017. Genome Wide Association Study (GWAS) of *Fusarium solani* Resistance using the Bean CAP Snap Bean Diversity Panel. 7th International Legume Root Disease (ILRD) Workshop. 11/1/17.
- Arkwazee, H., J. Hart, T. Porch, P. Griffiths, J. Davis and J.R. Myers. Genome wide association study (GWAS) for white mold resistance in snap bean. Bean Improvement Cooperative Meetings, 10/29 – 11/1/2017, East Lansing, MI.
- Myers, J.R., J. Davis, H. Arkwazee, L. Wallace, R. Lee, S. Mafi Moghaddam and P. McClean. 2017. Why Wax Beans Lack Carotenoids. Bean Improvement Cooperative Meetings, 10/29 – 11/1/2017, East Lansing, MI.
- Haidar Arkwazee, John P. Hart and James Myers. 2017. Association Mapping to Identify QTL conferring White Mold Resistance in the Snap Bean Association Panel (SnAP). National Sclerotinia Initiative Meetings, 18-20 Jan., Bloomington, MN.  
(<https://www.ars.usda.gov/ARSUserFiles/30000000/WhiteMoldResearch/2017meeting/2017%20Program.pdf>)
- Haidar Arkwazee and James Myers. 2017. Characterizing a New Common Bean Recombinant Inbred Population (Unidor/OSU5630) for White Mold Resistance. National Sclerotinia Initiative Meetings, 18-20 Jan., Bloomington, MN.  
(<https://www.ars.usda.gov/ARSUserFiles/30000000/WhiteMoldResearch/2017meeting/2017%20Program.pdf>)
- Haidar Arkwazee, James Myers, Phil McClean, Renato Vasconcellos and Phil Miklas. 2017. Meta-QTL for Resistance to White Mold in Common Bean. National Sclerotinia Initiative Meetings, 18-20 Jan., Bloomington, MN.  
(<https://www.ars.usda.gov/ARSUserFiles/30000000/WhiteMoldResearch/2017meeting/2017%20Program.pdf>)
- Myers, J.R. 2017. Purple Tomatoes and Yellow Snap Beans: Breeding for Human Nutrition in Vegetable Crops. 3rd NDSU Annual Conference on “Food for Health”, Fargo, ND, July 16 – 19.

- Andrews, N., Noordijk, H., Coop, Garrett, A., Heinrich, A., L., Myers, J., Peachey, E., Stoven, H., & Sullivan, D. 2016. Croptime: scheduling vegetables using degree-days. National Small Farms Conference, September 20-22 Virginia Beach, VA.
- Haidar Arkwazee and James Myers 2016. Using Common Bean Seedlings for White Mold Resistance Evaluation via the Straw Test. Poster presented at the National Sclerotinia Initiative Meetings, 20-22 Jan., Bloomington, MN.
- Myers, J.R. and H. Arkwazee 2016. Characterization of two new recombinant inbred populations in common bean for *Sclerotinia* resistance. National Sclerotinia Initiative Meetings, 20-22 Jan., Bloomington, MN.
- Miklas, P., R. Vasconcellos, B. Oraguzie, J. Myers, P. McClean. 2016. Identification of major QTL conditioning partial resistance to white in dry bean. Oral presentation at the National Sclerotinia Initiative Meetings, 20-22 Jan., Bloomington, MN.
- Andrews, N., L.B. Coop, H.E. Noordijk and J.R. Myers. 2015. Crop Time: Degree-day models and an online decision tool for the vegetable industry. HortScience 50(9):S138.
- Selman, L. and J.R. Myers. 2015. Breeder to seeder to eater synergies. HortScience 50(9):S301.
- Selman, L., A. Stone and J.R. Myers. 2015. Incorporating sensory evaluations into organic vegetable variety trials. HortScience 50(9):S328-S329.
- Wallace, L., E. Tomasino, and J.R. Myers. 2015. Genotype by environment interactions of flavor traits in green beans. NAPB meetings, 27-30 July, WSU Pullman, WA.
- Selman, L., and J.R. Myers. 2015. NOVIC II: A participatory project to trial and breed vegetable varieties for organic systems. NAPB meetings, 27-30 July, WSU Pullman, WA.
- Feng X, Myers JR, and Karasev AV. 2015. An isolate of bean common mosaic virus overcomes the *bc-3* allele in common bean. ASPB meetings, 26-28 June, Pullman, WA.
- Andrews, N. L.B. Coop, H.E. Noordijk, and J.R. Myers. 2015. Crop Time: degree-day models and an online decision tool for the vegetable industry. ASHS Meetings, 04-07 Aug. 2015, New Orleans, LA.
- Arkwazee, H. & J.R. Myers. 2015. Sclerotia number and cuticle thickness as tools to evaluate white mold disease in common bean. National Sclerotinia Initiative Meetings, 21-23 Jan., Bloomington, MN.
- Miklas, P., J. Myers, J. Orsono, & P. McClean. 2015. White mold resistance – QTL: Identification, interactions, and fine mapping, in common bean. National Sclerotinia Initiative Meetings, 21-23 Jan., Bloomington, MN.
- Myers J.R., 2015. Breeding organic vegetables. OSU Small Farms Conference, 2/28/2015, Corvallis, OR.
- Myers, J.R. 2015. Seeds and Breeds for the 21<sup>st</sup> Century: Breeding Trends in Vegetables. Organicology, 2/6/2015, Portland OR.
- Myers, J., C. Will and J. Davis. 2013. Can the negative association between yield and white mold resistance for NY6020 bean resistance be broken? National Sclerotinia Initiative Meetings, 23-25 Jan., Minneapolis, MN.
- Myers, J., J. Davis, P. Miklas and P. McClean. 2013. Preliminary evaluation of the Bean CAP snap bean panel for white mold resistance. National Sclerotinia Initiative Meetings, 23-25 Jan., Minneapolis, MN.
- Miklas, P., J. Myers, and P. McClean 2013. White mold resistance-QTL: Identification, interactions, and fine mapping in common bean. National Sclerotinia Initiative Meetings, 23-25 Jan., Minneapolis, MN.
- Feng, X., A.R. Poplawsky, O.V. Nikolaeva, J.R. Myers, and A.V. Karasev. 2012. Genome sequences of two field isolates of Bean common mosaic virus. Phytopathology 102(Suppl. 6):S6.9.
- Myers, J.R., S. Zimmerman, J.E. Haggard, J. Davis and D. Kean. 2011. Synthesis of white mold QTL efforts in *Phaseolus coccineus* x *P. vulgaris* backcross inbred populations. National Sclerotinia Initiative meeting, Minneapolis MN, Jan 19-21.
- Zimmerman, S.J., Myers, J.R., Barrett, M., Haggard, J.E. and Gilmore, B. 2009. Progress in Breeding for White Mold Resistance in *Phaseolus vulgaris* at Oregon State University. Bean Improvement Cooperative Biennial Meeting, Ft. Collins, CO, Oct. 25-28, 2009.
- Davis, J., J.R. Myers, P. McClean and R. Lee. 2009. *STAYGREEN* is a Candidate for the *Persistent Color* (*pc*) in Common Bean. Bean Improvement Cooperative Biennial Meeting, Ft. Collins, CO, Oct. 25-28, 2009.
- Quinn, M., C. Mallory-Smith, and J.R. Myers. 2009. Politics and promiscuity in vegetable seed production: the unintended consequences of going green. (abstract) Hortscience 44:1179-1180.
- Boches, P., B. Peterschmidt, and Myers, J.R. 2009. Breeding tomato for increased fruit phenolics. (abstract) Hortscience 44:1055-1056. (podcast at: <http://www.ashs.org/db/horttalks/detail.lasso?id=728>).

- Dalotto, T., P. Boches, and J.R. Myers. 2009. Variation of phenolics in anthocyanin and nonanthocyanin-fruit tomatoes. (abstract) Hortscience 44:1050.
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## **b. Other Publications**

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**vii. National project rewrites:**

- W-4150: 11/20 – 10/24. Breeding Common Bean (*Phaseolus vulgaris* L.) for Resistance to Abiotic and Biotic Stresses, Sustainable Production, and Enhanced Nutritional Value' (continuation of W-3150)
- W-3150: 11/15 – 10/20. Breeding Common Bean (*Phaseolus vulgaris* L.) for Resistance to Abiotic and Biotic Stresses, Sustainable Production, and Enhanced Nutritional Value' (continuation of W-2150)
- W-2150: 10/10 – 10/15. Breeding Common Bean (*Phaseolus vulgaris* L.) for Resistance to Abiotic and Biotic Stresses, Sustainable Production, and Enhanced Nutritional Value' (continuation of W-1150)
- W-1150: 10/05 – 9/10. Exotic Germplasm Conversion and Breeding Common Bean (*Phaseolus vulgaris* L.) for Resistance to Abiotic and Biotic Stresses and to Enhance Nutritional Value (continuation of W-150). <http://nimss.umd.edu/homepages/home.cfm?trackID=7076>. (Contributor)
- W-150: 10/00 - 09/05. Genetic Improvement of Beans (*Phaseolus vulgaris* L.) for Yield, Pest Resistance and Food Value. <http://www.colostate.edu/Orgs/WAAESD/wdaman/index1.html>. (Coordinator for one objective)
- NE CC-1008: 10/05 – 9/10. Improving sweet corn: genetics and management. <http://nimss.umd.edu/homepages/home.cfm?trackID=7096>. (Contributor)
- NE-124: 10/99 - 09/04. Genetic Manipulation of Sweet Corn Quality and Stress Resistance. <http://www.agnr.umd.edu/users/nera/proposals/ne-124rev.htm>. (Contributor)

**viii. Presentations & Seminars**

- 2023 Legislators' tour of Brassicas, OSU Vegetable Research Farm, Corvallis, OR, 12/8/2023.
- Breeding snap beans for wide adaptation to the Pacific Northwest. Hermiston Ag Fair, virtual, 11/29/2023.
- Green bean and sweet corn sample display, PNVA meetings, (Myers, Landgraver, Wiegand), 11/15/2023.
- W-4150, Greenville, SC, 11/8/2023
- Green bean and sweet corn sample display, OSU Pilot Plant, (Myers, Landgraver, Wiegand), 11/1/2023.
- Future of Food & the OSU Vegetable Breeding Program. Food and Ag Summit – Innovation, OSU, Corvallis, 7/18/2023.
- Expert testimony on SB789 Relating to canola production. Salem, OR (virtual) 4/19/2023, 5/11/2023.
- Nitrogen fertility requirements of new sweet corn hybrids. Oregon Processed Vegetable Commission Research reports & presentations meeting, Salem, OR 3/3/2023
- Broccoli Breeding for Heat Tolerance, Mechanical Harvest and Processing Quality. Oregon

- Processed Vegetable Commission Research reports & presentations meeting, Salem, OR 3/3/2023  
 Green Bean Breeding for Abiotic and Biotic Stress Resistance, Yield and Quality. Oregon  
 Processed Vegetable Commission Research reports & presentations meeting, Salem, OR 3/3/2023  
 Enhancing Late Blight Resistance in Processing Tomatoes, California League of Food Processors  
 Tomato Research meeting (virtual) 3/1/2023.
- 2022; Green bean and sweet corn sample display. PNVA, Kennewick, WA 11/16/2022. (50)  
 Green bean experimental lines and sweet corn hybrids sample display, OSU Pilot Plant,  
 10/31/2022. (15)  
 Organic Seed Alliance Field Day, Chimacum, WA, 9/26/2022. (35)  
 Tomato field day, OSU Vegetable Research Farm, Corvallis, OR 9/15/2022. (5)  
 Tomato and Melon Organic Growers field day, OSU Vegetable Research Farm, Corvallis, OR  
 9/7/2022. (25)  
 Snap bean experimental line evaluations, Territorial Seed Farm, London Springs, OR, 8/12/2022.  
 (10)  
 Barley and Dry Bean field day, Lewis Brown Farm, Corvallis, OR, 8/9/2022. (20)  
 Crossing Beans and Tomatoes, GoFarm, Hawaii, (virtual), 3/26/2022. (30)  
 Beans and Broccoli: Breeding challenges down the road. Linn County Expo Center, Albany, OR,  
 1/25/2022 (75)
- 2021; Green bean sample display. NORPAC Facility, Stayton, OR. 4/11/2021. (In person).  
 Breeding Crucifers with Special Attention to Broccoli (La sélection des brassicacées, en portant une  
 attention particulière au brocoli). Formation sur les semences et variétés adaptées : module  
 maraîchage. Module 1: Crucifers. Quebec, CA 01/26/2021. (Invited, virtual).  
 Baffling Brassicas: Deconstructing *Brassica rapa*, *B. oleracea* and *B. juncea*. Brassica Week,  
 Culinary Breeding Network Winter Sagra. 01/11/2021. Livestreamed and archived:  
<https://www.youtube.com/watch?v=Uhp115MsamQ>. (Virtual).
- 2020; Organic Corn Stakeholder Meeting. Project review of three USDA-OREI grants (Accelerating Corn  
 Elite Selections (ACES) Organic Breeding Program: Novel Strategies To Develop Field and Sweet  
 Corn For Organic Producers, Participatory Breeding And Testing Networks: A Maize Based Case  
 Study For Organic Systems, & Breeding Corn To Enable Organic Seed Production. 11/24/20  
 (Virtual)  
 What's New at OSU? - Recent and upcoming vegetable variety releases. PNVA (virtual) 11/19/20  
 Variety Showcase, The Redd, Portland, OR 2/16/20.  
 NOVIC co-PDs planning meeting, Corvallis, OR 2/16/20.  
 Breeding strategies for self-pollinated crops & tour of vegetable breeding program, Organic Plant  
 Breeding Intensive, Corvallis OR, 2/13/20  
 NOVIC farmers meeting, NWREC, 01/29/2020  
 NE 1839 (Development and Evaluation of *Broccoli* Adapted to the Eastern US.) meeting.  
 Savannah, GA 1/10/20.
- 2019; Sample Display, Pacific Northwest Vegetable Association, Kennewick, WA 11/20/19  
 P279 Tomato, Row 7 A dinner from the ground up. Fora, Portland, OR 9/23/19  
 NOVIC trials WSU Heritage Farm Field Day, Vancouver, WA 9/20/19  
 NOVIC field day, Corvallis, OR 9/13/19  
 NWREC organic vegetables field day, NWREC, OR 9/12/19  
 Myers, NOVIC program, Organic Confluences Summit, The Organic Center/FFAR meeting,  
 Baltimore, MD 9/10 – 9/11/19 (invited presentation)  
 Dry farm field day, OSU Vegetable Research Farm 9/4/19.  
 Hosted Stephanie from France and Corentin from Belgium, Dynaversity Project 5/22/19  
 Myers, Northern organic vegetable improvement collaborative, OFRF Organic Agricultural  
 Research Forum, Organicology, Portland, OR 2/16/2019  
 Myers Mechanical harvest of broccoli, Eastern Broccoli Project meeting, Savannah, GA 1/10/19  
 Myers & Hernandez, OSU Beet Breeding program update, Kerr Concentrates, Salem, OR 1/3/2019
- 2018; Myers, Selman, King, NOVIC Farmers winter meeting, Silver Falls, OR, 12/6 – 12/7/18  
 Myers & Yorgey, Green bean, broccoli, & sweet corn sample display, Pacific Northwest Vegetable  
 Association meetings 11/14 – 11/15/2018  
 Myers, Northern Organic Vegetable Improvement Collaborative as a model for breeding and  
 trialing vegetable varieties for fresh market organic systems, Washington Tilth, Spokane, WA

- 11/9/18 (invited)  
 Myers, Bjorkman, Selman, Variety Showcase, NYC, NY 1/24/18  
 Myers, Selman, King, NOVIC field day, Corvallis, OR 9/13/18  
 Myers & King, Student Organic Seed Symposium, Corvallis, OR 7/26 – 7/29/18  
 Myers, W3150 Oregon Station report, UC-Davis, CA 7/24 - 7/25/18  
 Myers, Dawson, Zystro, Colley, Organic Plant Breeding Workshop, Corvallis, OR, 2/15/18  
 Myers, Selman, King, NOVIC Farmers winter meeting, Silver Falls, OR, 1/31 – 2/1/18  
 Myers, Breeding broccoli to improve harvest efficiency, Oregon Processed Vegetable Grower meeting, Albany, OR, 1/30/18  
 Myers, Intellectual property protection basics. Cascades grain conference, Olympia, WA, 1/20/18  
 2017; Myers, Mechanizing Vegetable Crop Harvest: A Case Study with Broccoli. PNVA meetings, Kennewick, WA, 11/15/17  
 Myers & Yorgey, Green bean, sweet corn and broccoli sample display, PNVA meetings, Kennewick, WA, 11/15/17  
 USDA-NIFA-OREI Project Directors meeting, Washington, DC, 10/17 – 18/17  
 Selman, Myers, et al., Variety Showcase, Portland OR, 10/2/17  
 Myers, Stone Peachey & Mes, Direct harvest broccoli field day, Vegetable Research Farm, 9/28/17  
 Myers, King & Selman, NOVIC Field Day, Lewis Brown Farm & Gathering Together Farm 9/12/17  
 Myers, Trends in Intellectual Property Protection in Plant Breeding. National Association of Plant Breeders webinar series, <https://www.plantbreeding.org/content/webinar-series>. 4/26/2017  
 L. Hoagland, D. Egel, J. Myers, J. Dawson, J. Zystro and L. McKenzie. Tomato Organic Management and Improvement Project (TOMI): Tomato Varietal Improvement Webinar on Demand. eOrganic webinar (<https://eorganic.info/node/22162>). 3/7/2017  
 Myers, The interface of art and science in vegetable breeding. Departmental seminar, OSU Corvallis, OR 2/27/17  
 OREI Organic Planning Grant Meeting, Univ. Wisconsin-Madison, 2/22/17  
 Myers, Models in breeding vegetables for organic systems, invited seminar, Plant Science Dept., Univ. California-Davis, 2/6/17  
 Myers et al., NOVIC coPD national planning meeting, Portland, OR 2/4/17  
 Myers, King & Selman, NOVIC Farmers Meeting, Philomath, OR 1/31/17  
 Myers, OSU Snap Bean Improvement Project, Willamette Valley Processed Vegetable Grower Association meeting 1/24/17  
 Myers & Yorgey, Sample Display, NW Food & Beverage Expo, Portland OR 1/10/17  
 2016; Myers, Visit to Native Seed/Search farm & storage facility, Tucson AZ 12/28/16  
 Myers & Yorgey, Sample display Pacific Northwest Vegetable Association meetings, Kennewick WA 11/16-17/16  
 Myers, J.R. Invited seminar: Breeder to Seeder to Feeder to Eater: Breeding Better Vegetables, Department of Horticulture, Purdue University, West Lafayette, IN 10/13/16  
 Variety Showcase, Urban Farmer Portland, OR 10/3/16  
 Myers, Selman & Morton, A conversation & tasting with plant breeders, Thomas Douglas Restaurant Group, Palace Ballroom, Seattle, WA 9/28-29/16  
 NOVIC & TOMI field day Lewis Brown and Gathering Together Farms, OR 9/6/16  
 Hosted Dan Egel (TOMI collaborator) visit to OSU Breeding Program 9/5-7/16  
 Myers, J.R., Lane Selman, & Tim Wastell, Varietal Tasting & Culinary Breeding Network, Specialty Crop Block Grant National Meeting, Portland OR 8/24/16  
 Myers, J.R., & L. Selman, OSU Vegetable Breeding Program Tasting, Crop up market showcase Food Innovation Center, Portland OR 8/24/16  
 Myers, J.R. Intellectual Property and Funding Public Plant Breeding Programs, Seeds and Breeds, Raleigh NC 8/13-15/16.  
 NOVIC Project (poster presentation), NIFA grant managers, SCRI Coordinating Committee and National Agricultural Research, Extension, Education and Economics (NAREEE) board. USDA Forage Research Laboratory, 8/3/16  
 Myers, J.R., Station report. W3150 regional project meeting, Pullman WA 7/27-28/16  
 Hosted group led by Lori Hoagland (Purdue Univ.) OSU organic farm tour 7/12/16  
 Hosted visitors from Storm Seeds (beans and peas) 6/22/16

- Broccoli summit Five Oak Farms, Salem 4/11/16  
 VIP Lunch with Ruth Reichl, OSU Corvallis, OR 2/17/16  
 Myers, J.R. Alternative vegetable crops Green Pea Meeting, Milton-Freewater, OR 2/16/16  
 Myers, J.R. 8th Organic Seed Growers Conference: Vegetable Breeding Research Updates & Breeding Better Brassicas, Corvallis, OR, 2/5/16-2/6/16  
 Myers, J.R., Vegetable Breeding Program. Seed Conference pretour OSU West Greenhouses, Corvallis, OR 2/4/16  
 Organic Plant Breeding Symposium Corvallis, OR 2/3/16, Identify crop specific needs and opportunities Facilitated discussion groups: Pulse (Jim Myers)  
 NOVIC coPD national planning meeting (preconference meeting ) 2/2/16  
 Snap Bean Variety Improvement for Oregon Growers, OPVC growers meeting, Albany, OR, 01/29/16  
 Hosted Carl Jones 'Applications of Marker Assisted Breeding in the Complex Landscape of a Global Vegetable Industry' 1/27/16  
 White mold resistance-QTL: Identification, interactions, and fine mapping in common bean, National Sclerotinia Initiative annual meeting, Minneapolis, MN 01/20 – 01/22/16.  
 Green bean, sweet corn and broccoli sample display, Northwest Food & Beverage Expo, Portland 01/11/16
- 2015; Myers, J.R., M. Mazourek, L. Selman. Clif Bar Family Foundation Seed Matters Dinner. St. Helena, CA 10/17/15  
 Myers, J.R. Presentation on plant breeding program to Evergreen College plant genetics class, Corvallis, OR 10/15/15  
 Colley, M., McCluskey, C., Selman, L. Myers, J. Variety Showcase, Portland, OR, 9/28/2015  
 Myers, J. and Selman, L. Future of Seeds Food Salon, New York, NY, 9/17/15  
 Colley, M., Mazourek, M., Hultengren, R., Myers, J.R., and Tracy, W. Fundamentals of On-Farm Plant Breeding, Colorado State University, Fort Collins, CO, 9/11/15-9/12/15  
 Panel presentation on seed purity from GMO contamination. USDA National Organic Standards Board, La Jolla, CA, 04/30/15  
 Broccoli summit with Willamette Valley Growers. Pearmine Farms, Gervais, OR 04/01/15  
 Culinary Breeding Network: bridging the gap between breeders and eaters. Eugene Small scale urban farming series, Lane County Extension Office, Eugene, OR 03/31/15  
 NOVIC II winter growers meeting, Gathering Together Farm, Philomath, OR 03/03/15  
 Breeding Organic Vegetables, FRED Talks: OSU Small Farms Conference, Corvallis, OR, 02/28/15  
 Roundtable with Congressman Blumenauer, OSU, Corvallis, OR 02/16/15  
 What do you want to breed today? New vegetable varieties for PNW gardeners. Spring into Gardening, Yamhill County Master Gardeners, McMinnville, OR, 03/14/15  
 Snap Bean Variety Improvement for Oregon Growers, NWPVGA, Albany, OR, 01/29/15  
 Snap Bean Variety Improvement for Oregon Growers, OPVC growers meeting, Albany, OR, 01/29/15  
 White mold resistance-QTL: Identification, interactions, and fine mapping in common bean, National Sclerotinia Initiative annual meeting, Minneapolis, MN 01/21 – 01/23/15.  
 Green bean, sweet corn and broccoli sample display, Northwest Food Processors Association meeting, Portland 01/12/15
- 2014; Indigo Tomatoes, Gardentime Episode 337, 10/04/14  
<http://www.gardentime.tv/archive/show141004.htm>  
 Genetically Modified: A comparison of conventional and genetic engineering approaches to plant improvement, Salem Rotary Club, 08/06/14  
 Vegetable Farm Field Day, 07/21/14  
 Putting the Snap in Snap Peas, eXtension NAPB webinar, 05/06/14  
 Northwest Vegetable Varieties and Creating Culinary Treasures, Master Gardener Mini College, 7/12/14  
 The Culinary Cutting Edge and Vegetable Breeding, Coos County Master Gardeners, Coos Bay 03/29/14.  
 Participatory Plant Breeding to Develop Locally Adapted Open Source Varieties and Oregon Originals: Vegetables from the OSU Vegetable Breeding Program, Sustainable Agriculture

- Conference, Fairbanks, AK 03/12 – 03/14/14.  
 Culinary Breeding Network, Slow Food Corvallis 03/09/14.  
 Panel Discussion on “What kind of partnerships/models are working and how best do we accelerate their adaption?” Seeds and Breeds, Washington, D.C. 03/05 – 03/07/14.  
 Vegetable Breeding Program, CAS-UHC mixer, Corvallis 02/28/14.  
 Panel Discussion on “Unpacking the Cell Fusion Debate”, Organic Seed Alliance Seed Conference, Corvallis 01/31 – 02/01/14.  
 Vegetable Breeding Program crossing and seed cleaning demonstration, Organic Seed Alliance preconference tour, OSU Greenhouses 01/30/14.  
 Identification, interactions, and fine mapping in common bean, National Sclerotinia Initiative annual meeting, Minneapolis, MN 01/22 – 01/24/14.  
 Green bean, sweet corn and broccoli sample display, Northwest Food Processors Association meeting, Portland 01/13/14.
- 2013; “Alternative Vegetable Crops” and “Impact of canola production on vegetable brassica crops”, Pacific Northwest Vegetable Association, Kennewick, WA 12/13/13.  
 Organic plant breeding panel discussion, Clif Bar Seed Matters meeting, Emeryville, CA 11/0 – 11/05/14.  
 “Inheritance and performance of bruchid resistance into farmers’ preferred common bean (*P. vulgaris*) varieties in Tanzania” and “Mapping QTL for Root Rot Resistance, Root Traits, and Morphological Traits in a Common Bean Recombinant Inbred Population”, Bean Improvement Cooperative Biennial Meeting, Portland, OR 10/28 – 10/30/14.  
 G9 Chef’s summit, Blue Hill Restaurant at Stone Barns, Tarrytown, NY 09/23/13.  
 “Breeding for Organic Systems: Motivation, Models, and Implications”, Plant Sciences Graduate Student Fall Symposium, Madison, WI 09/13/14.  
 Breeding green beans, OSU Vegetable Research Farm Field Day, Corvallis 08/12/14.  
 Breeding for regional needs, Student Organic Seed Symposium, Mt. Vernon, WA 08/04 – 08/08/13.  
 Seed handling and breeding in self pollinated crops, High Mowing Hands On Seed Training Workshop, Mt. Vernon, WA 08/08/14.  
 OSU vegetable breeding program, Blue Hill Restaurant at Stone Barns, Tarrytown, NY 07/28 – 07/29/14.  
 The Role of Plant Breeding for Organic Producers, Colloquium on Organic Plant Breeding, ASHS annual meeting, Palm Desert, CA 07/21 – 07/23/14.  
 Oregon Originals: Heirloom Vegetables and Berries of the Willamette Valley, Slow Food Corvallis 06/13/14.  
 Eaters and Breeders Roundtable, Organicology, Portland, OR 02/09/13.  
 NOVIC breeding programs and trial results, NOVIC Regional Farmers Retreat, Silver Falls, OR 01/30 – 01/31/13.  
 Bean Coordinated Ag Project and snap bean diversity, Willamette Valley Processed Vegetable Growers meeting, Albany, OR 01/22/13.  
 Identification, interactions, and fine mapping in common bean, National Sclerotinia Initiative annual meeting, Minneapolis, MN 01/23 – 01/25/13.  
 Green bean, sweet corn and broccoli sample display, Northwest Food Processors Association meeting, Portland 01/14/13.  
 Snap Bean Analysis, Bean CAP Advisory Committee Meeting. San Diego, CA 01/10/13.
- 2012; Breeding dry beans for the Willamette Valley, Bean and Grain Project, Long Tom Grange, OR 12/04/12.  
 Participatory plant breeding, SCRI Snap Pea Planning Grant Workshop, Pullman, WA 09/16/12.  
 Breeding for nutrition in organic seed systems, eOrganic/PBG webinar, Corvallis 03/23/12.  
 Green bean, sweet corn and broccoli sample display, Northwest Food Processors Association meeting, Portland 01/20/12.  
 Identification, interactions, and fine mapping in common bean, National Sclerotinia Initiative annual meeting, Minneapolis, MN 01/24 – 01/26/12.
- 2011; Meeting the need for certified organic vegetable varieties, Pacific Northwest Vegetable Growers Association, Kennewick, WA 11/17.  
 How to breed for organic production systems, PBG/eOrganic Webinar, Corvallis, OR 10/18 (invited presentation).

- Vegetables in art and the art of vegetable breeding, Avid Gardeners Group, Eugene, OR 10/17 (invited presentation).
- Vegetable breeding program at the Vegetable Research Farm, OSU Horticulture graduate student twilight tour, Corvallis, OR 10/13.
- NOVIC pepper tasting with growers and chefs, Tabla Bistro, Portland, OR 10/10.
- NOVIC Field Day, Lewis Brown Research Farm, Corvallis, OR 9/20.
- White carrots purple tomatoes & art of vegetable breeding, Science Pub, Corvallis, OR 6/13 (invited).
- Organic Breeding, 2011 NAPB Annual Conference, College Station, TX, May 23-25, 2010
- Organic Farming Systems Research Conference, Washington, DC, March 16-18, 2011 (invited).
- Organic Plant Breeding Collaboration (moderator for a panel discussion that included Jared Zystro, Lane Selman, Laurie McKenzie, John Navazio, and Edith Lammerts van Bueren), Organicology, Portland, OR 2/11 (invited).
- Management of White Mold with Contans and a Moderately Resistant Bean Variety. (with Alex Stone), Oregon Horticulture Society Processed Vegetable Growers Section, Albany, OR 1/24
- Northwest Food Processors Association - Green Bean, Broccoli, and Sweet Corn Cutting, Portland, OR 01/17.
- Development of a virus resistant yellow bean seed for domestic sale and export to Mexico. Idaho Bean Commission, Boise, ID,
- 2010; Organic Plant Breeding and Organic Seed Systems, Innovaciones tecnologicas en la produccion de granos y semillas. Saltillo, Mexico, October 11-13, 2010. (Invited)
- Bounteous Gardens: Vegetables for Every Day of the Year. Master Gardeners meeting, Hood River, OR, 3/16.
- Accelerated Stepwise Evolution of Novel Traits by “Mutator” Plants (presented with Pankaj Jaiswal and John Hays), Monsanto OSU Program Review, Corvallis, OR, 9/21.
- Crop rotations for green peas on the Blues. WA/OR Green Pea Association, Milton-Freewater, OR, 2/3 (invited).
- A Golden Age for Bean Research. Oregon Horticulture Society – Processed Vegetable Section, Albany, OR, 1/25.
- Northwest Food Processors Association - Green Bean, Broccoli, and Sweet Corn Cutting, Portland, OR 01/18.
- Breeding vegetables for organic systems. North Willamette Horticultural Society Meetings – Organic section, Canby, OR, 1/12. (invited)
- 2009; OSU breeding program and the need for organically bred varieties. Slow Food, Corvallis Chapter, Gathering Together Farm, Philomath, (invited) 9/13
- Vegetable Breeding at OSU presented to Home Garden Seed Association, Lewis Brown Farm, 8/10
- Veritable Vastitude of Verdant Vegetable Varieties. MG Minicollege, Corvallis, 8/6 (invited)
- Lewis Brown/Clonal Repository Farm Tour (Breeding Vegetables for conventional and organic systems) 7/18
- Interesting times in the Willamette Valley: Beets and *Brassicas*. AOSCA, Portland, 6/30 (invited).
- Intellectual Property Issues, Summer Sustainability Series, 6/23
- The Effortless, the Arduous, and the Unusual: Starting a Vegetable Garden in Oregon. MG Minicollege, 2/7
- 2008; Legacy of the Bean/Cowpea CRSP and future of African research. African Research Initiative 11/12.
- Join Lewis Brown/Clonal Repository Farm Tour (Breeding Vegetables for conventional and organic systems) 7/26.
- Organic Broccoli Field Day at Gathering Together Farm in conjunction with Erica Renaud and Edith Lammerts Van Bueren 07/08.
- Progress reports on Beans, Broccoli and Sweet Corn. Oregon Processed Vegetable Commission 01/08.
- Northwest Food Processors Association - Green Bean, Broccoli, and Sweet Corn Cutting, Portland, OR 01/14.
- Breeding & Genetics of White Mold Resistance in Green Bean. OR Hort. Soc./North Willamette Processed Veg. Growers Assoc. Albany, OR 01/28/08.



- Proposals on Beans, Broccoli and Sweet Corn. Oregon Processed Vegetable Commission 02/04.  
Small Farms Conference, OSU Vegetable Breeding and Genetics Program, Corvallis, OR 02/16
- 2007; Northwest Food Processors Association - Green Bean, Broccoli, and Sweet Corn Cutting, Portland, OR 01/07.  
Progress reports on Beans, Broccoli and Sweet Corn. Oregon Processed Vegetable Commission 01/07.  
Breeding for snap beans, broccoli and sweet corn. OR Hort. Soc./North Willamette Processed Veg. Growers Assoc. Albany, OR 01/29/07.  
Proposals on Beans, Broccoli and Sweet Corn. Oregon Processed Vegetable Commission 02/07.  
“A passion for purple tomatoes”, Invited seminar University of Illinois, Urbana, IL, 03/07  
Organic Seed Partnership Field Day (Ken Ettinger, Long Island, NY) and Progress and planning meeting (Cornell University, Ithaca, NY) 7/23 – 27/07.  
Breeding vegetables for Oregon. Master Gardeners Minicollege, Corvallis, OR 08//0207.  
Master Gardeners field tour of Vegetable Farm research plots 08/04/07  
Dry Bean Field Day, Ayers Creek Farm, Gaston, OR (co-sponsored with OSA, WSU, and OSU) 9/19/07  
Broccoli Field Day, Gathering Together Farm, Philomath, OR, 10/07
- 2006; Proposals on Beans, Broccoli and Sweet Corn. Oregon Processed Vegetable Commission 01/06.  
Northwest Food Processors Association - Green Bean, Broccoli, and Sweet Corn Cutting, Portland, OR 01/07.  
Breeding for Organic Systems. Organic Seed Partnership Co-PI meeting, Edgefield, OR 1/13/06.  
Snap bean origins, current breeding activities, and implications for future production in the PNW. OR Hort. Soc./ North Willamette Processed Veg. Growers Assoc. Salem, OR 01/30/06.  
First Paintings of New World Crops in the Old World. Horticulture Departmental Seminar, Oregon State University, Corvallis, OR 02/07/06.  
Gene flow in Brassicaceae; the implications for a diverse agriculture in Oregon, Oregon Society of Weed Science, Hood River, 10/18/06.
- 2005; Progress Reports and Proposals on Beans, Broccoli, and Corn. Processed Vegetable Commission, 01/05; 12/05.  
Northwest Food Processors Association - Green Bean, Broccoli, and Sweet Corn Cutting, Portland, OR 01/05.  
New Veggies for the Willamette Valley. Master Gardener’s Meeting, Corvallis, OR 02/12/05  
Field Day, Varietal Development for White Mold Resistance in Green Beans, Sam Sweeney Farm, 07/13/05  
Critical Issues in Bean Seed Production. Organic Seed Alliance Field Day, Bryant Ranch, Shoshone, ID 07/27/05  
Development of Bean Cultivars with Enhanced Resistance to Diseases and Insects Using the Techniques of Conventional Plant Breeding and Marker-Assisted Selection. Bean/Cowpea CRSP All Researcher’s Conference, Dakkar, Senegal, 2005  
Genetics of Vegetables and Human Nutrition. Academy of Life Long Learning, Corvallis, OR, 10/11/05.  
Vegetable Varieties for the Oregon Growers. Small Farm School, Clackamas Community College, Oregon City, OR 11/12/05.
- 2004; Progress Reports and Proposals on Beans, Broccoli, and Corn. Processed Vegetable Commission, 01/04; 02/04.  
Northwest Food Processors Association - Green Bean and Sweet Corn Cutting, Portland, OR, 01/04.  
Vegetable Breeding Program: Results from 2003. OR Hort. Soc./ Willamette Processed Veg. Growers Assoc. Canby, OR, 01/04.  
Green Bean, Sweet Corn, Squash, and Broccoli Cutting, Food Science and Technology Pilot Plant, OSU, 02/04
- 2003; Progress Reports and Proposals on Beans, Broccoli, and Corn. Processed Vegetable Commission, 01/03; 02/03.  
Northwest Food Processors Association - Green Bean and Sweet Corn Cutting, Portland, OR, 01/03.

- Vegetable Breeding Program: Results from 2002. OR Hort. Soc./ Willamette Processed Veg. Growers Assoc. Canby, OR, 01/03.  
Green Bean, Sweet Corn, Squash, and Broccoli Cutting, Food Science and Technology Pilot Plant, OSU, 02/03
- 2002; Progress Reports and Proposals on Beans, Broccoli, and Corn. Processed Vegetable Commission, 01/02; 02/02.  
Northwest Food Processors Association - Green Bean and Sweet Corn Cutting, Portland, OR, 01/02.  
Vegetable Breeding Program: Results from 2001. OR Hort. Soc./ Willamette Processed Veg. Growers Assoc. Canby, OR, 01/02.  
Green Bean, Sweet Corn, Squash, and Broccoli Cutting, Food Science and Technology Pilot Plant, OSU, 02/02  
Master Gardeners Minicollege, Looking for that long term relationship: Choosing the best vegetable varieties, OSU Alumni Center, 07/02  
Josephine and Jackson County Master Gardeners, Vegetable varieties and variety trials, Grants Pass and Medford, OR, 10/8 – 10/20.
- 2001; Progress Reports and Proposals on Beans, Broccoli, and Corn. Processed Vegetable Commission, 01/01; 02/01.  
Northwest Food Processors Association - Green Bean and Sweet Corn Cutting, Portland, OR, 01/01.  
Green Bean, Sweet Corn, Squash, and Broccoli Cutting, Food Science and Technology Pilot Plant, OSU, 02/01.  
Breeding and Genetics of Giant Pumpkins. Western Regional Meeting of the Giant Pumpkin Growers Association, Canby, OR 03/01.  
Collecting Beans and Virus in East Africa. Friends Fellowship Home, Richmond, IN 04/01.  
Results from screening the *Phaseolus coccineus* PI collection for white mold resistance. Final report to the *Phaseolus* CGC, NIPIA/BIC meetings, Fargo, ND, 10/01.  
Mechanically Harvested Broccoli, PNW Extension Vegetable Crops Meeting, Dalles, OR, 11/02.  
Regional Partnerships to enhance Bean/Cowpea consumption and production in Africa and Latin America: A value chain strategy. SPARE advisory committee to USAID, Washington D.C., 11/01.
- 2000; Bean Breeding Results, Vegetable Crops Variety Evaluations and Some Thoughts on Genetically Modified Crops. Oregon Horticultural Society/ Willamette Valley Vegetable Growers Meeting. (invited presentation)  
Progress Reports and Proposals on Beans, Broccoli, and Corn. Processed Vegetable Commission. Northwest Food Processors Association - Green Bean and Sweet Corn Cutting, Portland, OR  
Green Bean, Sweet Corn, and Broccoli Cutting, Food Science and Technology Pilot Plant, OSU  
Pea research roundtable, Prosser, WA.  
Breeding activities in the East African Project Vision Statement (invited presentation);  
Bean/Cowpea CRSP researcher's meeting, April 8-16.  
Tomorrow's Snap Bean Cultivars. Idaho Bean Workshop and Field Day, Aug. 3-4, Kimberly, ID.  
Green beans... cultivars and production. Pacific Northwest Vegetable Association meetings, Nov. 13-14., Pasco, WA.  
Dry beans and curly top virus management. Pacific Northwest Vegetable Association meetings, Nov. 13-14., Pasco, WA.
- 1999; North Willamette Processed Vegetable Growers, Salem, OR, Vegetable Breeding Program.  
Progress Reports and Proposals on Beans, Broccoli, and Corn. Processed Vegetable Commission. Northwest Food Processors Association - Green Bean and Sweet Corn Cutting, Portland, OR  
Green Bean, Sweet Corn, and Broccoli Cutting, Food Science and Technology Pilot Plant, OSU  
Truitt Bros., Green Bean Varieties and Genetics. Jan. 11.  
Breeding Green Beans for the 21<sup>st</sup> Century. Plant Breeding and Biotechnology Seminar Series Winter Term. OSU (invited presentation).  
Panel Presentations: Utilizing and Evaluating NPGS Germplasm Resources and Breeding and Development. Farmer Cooperative Genome Project Meeting, 26-28 March, Salem, OR. (invited presentations).

- Poster Presentations, ASHS meetings, Minneapolis, MN.  
 BCMV researchers meeting, Prosser, WA
- 1998; North Willamette Processed Vegetable Growers, Salem, OR, Vegetable Breeding Program  
 Progress Reports and Proposals on Beans, Broccoli, and Corn. Processed Vegetable Commission  
 Northwest Food Processors Association - Green Bean and Sweet Corn Cutting, Portland, OR  
 Green Bean, Sweet Corn, and Broccoli Cutting, Food Science and Technology Pilot Plant, OSU  
 Oregon Horticultural Society, Portland, OR, Direction of Vegetable Breeding in the Pacific  
 Northwest.  
 OSU Vegetable Breeding Program, Agripac growers meetings, Eugene and Salem.  
 Myers, J.R. and G.I. Mink. Implications of viral recombination for breeding bean varieties resistant  
 to BCMV and BCMNV. Tropical Pesticide Research Institute, Arusha, Tanzania. (invited  
 presentation).
- 1997; OSU Oregon Horticultural Society, Portland, OR,  
 North Willamette Processed Vegetable Commission, Salem OR,  
 OSU Horticulture Seminar, African Bean Viruses in the West.  
 Pacific Northwest Vegetable Growers Association, Pasco, WA,

*Pre 1996:* 34 presentations (3 invited) (1988 – 1996)

**ix International symposia, conferences and meetings:**

- 2023: Final Conference of the EU H2020 BRESOV Project, Agrigento, Sicily, Italy. 29-30 March 2023.  
 2021: International Organic Fruit Symposium & International Organic Vegetable Symposium, ISHS.  
 Catania, Italy. 14-16 Dec. 2021. (Virtual)  
 Organic World Congress, Rennes, France. 8-10 Sep. 2021 (Virtual).  
 2020: none  
 2019: McKnight sponsored Dry bean breeding program review. Sokoine University of Agriculture,  
 Morogoro Tanzania 3/18 – 3/25-19.  
 2018: None  
 2017: None  
 2016: Pan African Grain Legumes Meeting, Livingstone, Zambia 2/26-3/6/16  
 2015: Community of Practice of the Collaborative Crop Research Program Plant Breeding Workshop,  
 McKnight Foundation, Arusha, Tanzania, 08/03-08/07/15.  
 Peruano dry bean field day, AgriSinoloa, Culliacan, Mexico, 02/20-02/22/15.  
 2014: McKnight CoP meeting Maputo, Mozambique, 9/19-9/27/14.  
 2013: McKnight sponsored research on breeding bruchid resistant dry beans, Paul Kusolwa, Sokoine  
 University of Agriculture, Morogoro, Tanzania.  
 2010: McKnight sponsored research on breeding bruchid resistant dry beans, Paul Kusolwa, Sokoine  
 University of Agriculture, Morogoro, Tanzania.  
 Invited presentations on organic plant breeding and seed production, Seed Technology Center in  
 the Universidad Autonoma Agraria Antonio Narro, Saltillo, Mexico.  
 2009: Guest lecturer invitation, Edith Lammerts Van Buren, Wageningen University, Netherlands.  
 2008: Guest lecturer invitation, Edith Lammerts Van Buren, Wageningen University, Netherlands.  
 2007: Bean/Cowpea CRSP research collaboration visit, Malawi, Tanzania & S. Africa.  
 2006: Bean/Cowpea CRSP Eastern and Southern Africa Planning Meeting, Maptuo, Mozambique  
 (March). Bean/Cowpea CRSP Regional Facilitator visit to Malawi and Tanzania (December).  
 2005: International Edible Legume Conference, Durban, South Africa.  
 Bean/Cowpea CRSP All Researchers Conference, Dakar, Senegal  
 2004: Bean/Cowpea CRSP research coordination trip, Pochefstroom, South Africa, Bunda College,  
 Malawi, and Sokoine University of Agriculture, Morogoro, Tanzania.  
 2003: Bean/Cowpea CRSP regional planning meeting, and research coordination trip, Pretoria, South  
 Africa, Bunda College, Malawi, and Sokoine University of Agriculture, Morogoro, Tanzania.  
 2002: Bean Common Bacterial Blight/Rust Workshop, Pietermartzenberg, South Africa.  
 Bean/Cowpea CRSP planning meeting, Lilongwe, Malawi  
 Bean/Cowpea CRSP researchers planning meeting, Sokoine University of Agriculture, Morogoro,  
 Tanzania  
 Pulse and dry bean production in Saskatchewan, Canada.

- 2001: Tanzania, Bean/Cowpea CRSP Bean Workshop and Research Advisors Meeting. CIMMYT, Mexico, Participant in NE-124/National Sweet Corn Breeders Association Meetings.
- 2000: Tanzania; Common bacterial blight survey trip.
- 1999: Tanzania and Malawi, Reviewed Bean/Cowpea CRSP research as chair of the East Africa project.
- 1998: HRI, Wellesbourne, UK, Virus research; Tanzania, Kenya and Uganda, Virus Survey and Plant Germplasm collecting trip.
- 1997: Morogoro, Tanzania, Bean Workshop.

#### **x. News media**

- Elizabeth Gamillo, What Does It Take To Grow the Biggest Pumpkins in the World? 10/23/2023. <https://www.discovermagazine.com/planet-earth/what-does-it-take-to-grow-the-biggest-pumpkins-in-the-world>
- Kym Pokorny, These cold-hardy vegetables may stick it out through winter. 09/2023. <https://extension.oregonstate.edu/news/these-cold-hardy-vegetables-may-stick-it-out-through-winter>
- Kym Pokorny, OSU breeding program produced series of purple tomatoes with healthy antioxidants. 4/21/2023. <https://today.oregonstate.edu/news/osu-breeding-program-produced-series-purple-tomatoes-healthy-antioxidants>, *Gazette-Times*.
- Margarett Waterbury, Blue Lake: How a Bean with Roots in California Conquered the Willamette Valley. 03/19/2023. Medium. <https://margarettwaterbury.medium.com/this-blue-lake-how-a-bean-with-roots-in-california-conquered-the-willamette-valley-78472b715afb>
- Kym Pokorny, Oregon State University releases new, antioxidant-rich purple tomato. 04/09/2021. <https://today.oregonstate.edu/news/osu-releases-new-antioxidant-rich-purple-tomato>. Press release published in [Vegetable Grower News](#); [Capital Press](#); [Gazette-Times](#); [NewsBreak](#); [Agriculture World](#) and many more...
- Lela Nargi, Could a simple database prevent massive ag companies from patenting and guarding seed varieties? 05/13/2021. <https://thecounter.org/seed-diversity-utility-patents-prior-art-bayer-monsanto/>.
- Molly McDonough, EPISODE 13: Plant Patents, Biodiversity, and Public Domain Seeds. Hothouse Earth Podcast, Vermont Law School, 11/30/20. [https://www.vermontlaw.edu/podcast/episode-13\\_plant\\_patents\\_biodiversity\\_and\\_public\\_domain\\_seeds](https://www.vermontlaw.edu/podcast/episode-13_plant_patents_biodiversity_and_public_domain_seeds).
- Rachael Jackson, Purple splotches on your cauliflower? Eat or Toss. <https://www.eatortoss.com/single-post/2020/07/07/purple-splotches-on-your-cauliflower>.
- Carolyn Beans, Variation in a single gene increases plant yield in groups but not in pairs. <http://blog.pnas.org/2020/03/variation-in-a-single-gene-increases-plant-yield-in-groups-but-not-in-pairs/>. 3/27/20.
- Carolyn Beans, Science and Culture: Vegetable breeders turn to chefs for flavor boost. PNAS October 3, 2017 114 (40) 10506-10508; <https://doi.org/10.1073/pnas.1714536114>.
- Myers, J. 2006. Ask the expert: What can I do to ensure that my tomato flowers are pollinated? *Organic Gardening*. 53:29.

#### **xi. Radio shows**

- Move over red Romas, a gothic new purple variety is here. [OPB interview](#). 04/25/2021.
- Norpac Bankruptcy, OPB interview and web article (<https://www.opb.org/news/article/norpac-sale-bankrupt-farmers-growers-workers-researchers-oregon/#.XjgzEF4uo4c.twitter>) 1/30/2020.
- Weston Miller PDX radio interview w/ Lane Selman on Culinary Breeding Network, 6/29/16.
- Plant Breeders Aim to Save Northwest from Bland Veggies, Tom Banse, NW News Network, 4/3/15
- Glenn Vaagen, Cherry Creek Radio interview - onion bulbs 3/19/16.
- Seed Breeding. Food Show with Rachel Bennett (KBOO) 5/20/2015.
- Winter greens and winter gardening. "In the Garden" with Mike Darcy (KXL) 8/15/09.

#### **xii. Video/television**

- Phil Buccellato, Theory of Pizza Emergence. <https://www.youtube.com/watch?v=49iHHaQZUXs>. Greener Media 11/17/2021.

2. *Grant and contract support*a. **Grants (critically peer-reviewed)**

*Key to abbreviations:* ODA: Oregon Department of Agriculture, SCBG: Specialty Crop Block Grant, NIFA: National Institute of Food and Agriculture, AFRI: Agriculture and Food Research Initiative, OREI: Organic Research and Extension Initiative, NPGS: National Plant Germplasm System, SCRI: Specialty Crop Research Initiative, BRAG: Biotechnology Risk Assessment Grant' RMA: Risk Management Agency, B/C CRSP: Bean/Cowpea Collaborative Research Support Program.

**Cumulative total:** **\$10,475,852 [my portion in ()]**

Year	Title	Principal Investigator(s)	Agency	Amount
2023-2028	Microbiome-mediated plant genetic resistance for enhanced agricultural sustainability	Busby et al.	NSF URoL:ASC	\$1,685,440 (\$242,045)
2023-2024	Improved white mold resistance in dry and snap beans through multi-site screening and pathogen characterization throughout major production areas	Gomez et al.	USDA National Sclerotinia Initiative	\$77,854 (\$3,200)
2023-2024	White mold resistance-QTL: identification, interactions, and fine mapping in common bean	Miklas, Myers, McClean, Orsono	USDA National Sclerotinia Initiative	\$188,196 (\$42,242)
2023-2026	The Blossom End Rot Toolkit	Myers, Davis, Selman & Moran	Western SARE	\$312,490
2022-2023	Improved white mold resistance in dry and snap beans through multi-site screening and pathogen characterization throughout major production areas	Gomez et al.	USDA National Sclerotinia Initiative	\$66,500 (\$3,200)
2022-2023	White mold resistance-QTL: identification, interactions, and fine mapping in common bean	Miklas, Myers, McClean, Orsono	USDA National Sclerotinia Initiative	\$223,946 (\$78,497)
2021-2024	Discovering genetic basis of high carotenoid accumulation from squash	Mazourek, Li & Myers	USDA-NIFA-AFRI	\$648,064 (\$139,998)
2021-2022	Breeding snap beans for organic agriculture: quantification and application of key traits	Myers & Hayley Park	Western SARE	\$23,914
2021-2022	White mold resistance-QTL: identification, interactions, and fine mapping in common bean	Miklas, Myers, McClean, Orsono	USDA National Sclerotinia Initiative	\$208,538 (\$50,391)
2020-2023	Market Research and Development to Reinvigorate Oregon's Vegetable Industry	Peachey et al.	ODA-SCBG	\$175,000 (\$33,205)
2020-2021	Improved white mold resistance in dry and snap beans through multi-site screening and pathogen characterization throughout major production areas	Everhart et al.	USDA National Sclerotinia Initiative	\$74,164, (\$3,200)
2020-2021	White mold resistance-QTL: identification, interactions, and fine mapping in common bean	Miklas, Myers, McClean, Orsono	USDA National Sclerotinia Initiative	\$181,065, (\$44,559)
2019-2024	Tomato Organic Management & Improvement II (TOMI II)	Hoagland, Myers, Colley, Dawson, Davis, Gu	USDA-OREI	\$2 million (\$197,988)

2019-2020	White mold resistance-QTL: identification, interactions, and fine mapping in common bean	Miklas, Myers, McClean, Orsono	USDA National Sclerotinia Initiative	\$148,268 (\$51,692)
2018-2019	White mold resistance-QTL: identification, interactions, and fine mapping in common bean	Miklas, Myers, McClean, Orsono	USDA National Sclerotinia Initiative	\$142,980 (\$39,840)
2018-2023	Northern Organic Vegetable Improvement Collaborative 3	Myers, Colley, Mazourek, Dawson, Tracy	USDA-OREI	\$1,999,999
2018-2019	Evaluation and genotyping of new pea genetic resources for reaction to powdery mildew ( <i>Erysiphe pisi</i> )	Coyne, McGee, Myers	USDA-NPGS	\$15,333 (\$7,667)
2018-2020	Sustaining Oregon Broccoli Production	Myers, Peachey, Stone, Sullivan	WSARE	\$250,757
2017-2019	Improving seed size and color in virus resistant yellow dry beans	Myers & Karasev	USDA Specialty Block Grant to ID Dry Bean Commission	\$63,966
2017-2018	White mold resistance-QTL: identification, interactions, and fine mapping in common bean	Miklas, Myers, McClean, Orsono	USDA National Sclerotinia Initiative	\$152,304 (\$46,279)
2016-2017	White mold resistance-QTL: identification, interactions, and fine mapping in common bean	Miklas, Myers, McClean, Orsono	USDA National Sclerotinia Initiative	\$177,343 (\$42,352)
2016-2022	Developing an eastern broccoli industry through cultivar development, economically and environmentally sustainable production and delivery	Bjorkman et al.	USDA-NIFA-SCRI	\$2,019,142 (\$49,785)
2015-2016	White mold resistance-QTL: identification, interactions, and fine mapping in common bean	Miklas, Myers, McClean, Orsono	USDA National Sclerotinia Initiative	\$165,422 (\$46,039)
2015-2018	Practical approach to foliar pathogen control in organic tomato production through participatory breeding and integrated pest management	Hoagland,	USDA-OREI	(\$139,052)
2014-2018	Assessing Genotype by Environment (G x E) Interaction and Heritability of Vegetable Crops in Organic vs. Conventional Production Systems	Silva, Myers, Simon	USDA-AFRI-Plant Breeding Foundational	\$500,000 (\$229,756)
2014-2018	Northern Organic Vegetable Improvement Collaborative II	Myers, Colley, Mazourek, Silva	USDA-OREI	\$1,997,986
2013-2015	Expanding access to specialty produce in the NW through variety trials and market introduction of overwintering crops	Myers, Colley, Selman	WA Spec. Block Grant	(\$33,553)
2014-2015	White mold resistance-QTL: identification, interactions, and fine mapping in common bean	Miklas, Myers, McClean, Orsono	USDA National Sclerotinia Initiative	\$169,547 (\$48,839)
2014-2016	Development of virus-resistant yellow bean seed for domestic sale and export to Mexico	Karasev & Myers	Idaho Bean Commission (ID Spec. Block Grant)	(\$57,005)

2013	White mold resistance-QTL: identification, interactions, and fine mapping in common bean	Miklas, McClean & Myers	USDA Sclerotinia Initiative	\$162,206 (\$50,206)
2012-2014	A Collaborative Phenology Modeling System to Enhance Crop Management on Vegetable Farms	Andrews, Myers, Peachy, Coop & Sullivan	Western SARE	\$203,610 (\$32,088)
2012	White mold resistance-QTL: identification, interactions, and fine mapping in common bean.	Miklas, McClean & Myers	USDA Sclerotinia Initiative	\$162,206 (\$44,710)
2011	White mold resistance-QTL: identification, interactions, and fine mapping in common bean.	Miklas, McClean & Myers	USDA Sclerotinia Initiative	\$162,206 (\$46,553)
2011-2013	Development of virus-resistant yellow bean seed for domestic sale and export to Mexico	Karasev & Myers	Idaho Bean Commission (ID Spec. Block Grant)	(\$57,005)
2010	White mold resistance-QTL: identification, interactions, and fine mapping in common bean.	Miklas, McClean & Myers	USDA Sclerotinia Initiative	\$150,000 (\$50,000)
2010-2015	Developing an East Coast Broccoli Industry	Bjorkman et al.	USDA-NIFA-SCRI	\$3.2 million (\$200,296)
2009-2011	Development Of Virus-Resistant Yellow Bean Seed For Domestic Sale & Export To Mexico	Karasev & Myers	Idaho Bean Commission (ID Spec. Block Grant)	\$73,922
2009	Eastern Broccoli planning grant	Bjorkman et al.	USDA-NIFA-SCRI	\$50,000
2009-2013	Bean CAP	McClean et al.	USDA-NIFA-AFRI	\$4.0 million (\$78,000)
2009-2013	Northern Organic Vegetable Improvement Collaborative	Myers, Silva, Colley, Mazourek	USDA-NIFA-OREI	\$2.3 million
2009-2010	Transfer and characterization of white mold resistance from <i>P. coccineus</i> into <i>P. vulgaris</i>	Myers	USDA Sclerotinia Initiative	\$55,210
2008-2012	Gene Flow Matters: <i>Brassica</i> Vegetable Seed Crop Production and Transgenic Canola	Mallory-Smith & Myers	USDA-BRAG	\$399,498
2008	Organic Broccoli and Onion Trials (research conducted in 2009)	Myers & Stone	Oregon Organic Crops Research Special Grant	\$24,690
2008	Transfer and characterization of white mold resistance from <i>P. coccineus</i> into <i>P. vulgaris</i>	Myers	USDA Sclerotinia Initiative	\$55,210
2007	Mechanisms and Transfer of Sclerotinia Resistance from Scarlet Runner to Common Bean	Myers	USDA Sclerotinia Initiative	\$45,770
2006	On farm variety trials to mitigate risk	Colley (OSA)	USDA RMA	\$8,512
2006	Mapping and Transfer of Sclerotinia Resistance from Scarlet Runner to Common Bean	Myers	USDA Sclerotinia Initiative	\$43,875
2005	Mapping and Transfer of Sclerotinia Resistance from Scarlet Runner to Common Bean	Myers	USDA Sclerotinia Initiative	\$40,000
2004-2007	The Organic Seed Partnership	Jahn	USDA CSREES-OREI	\$894,450 (\$108,290)

2004	Mapping and Transfer of <i>Sclerotinia</i> Resistance from Scarlet Runner to Common Bean	Myers	USDA Sclerotinia Initiative	\$40,000
2003	Mechanisms and Transfer of <i>Sclerotinia</i> Resistance from Scarlet Runner to Common Bean	Myers	USDA Sclerotinia Initiative	\$53,115
2002-2007	Regional Partnerships to Enhance Bean/Cowpea Consumption and Production in Africa and Latin America: A value-chain strategy	Widders et al.	B/C CRSP/ USAID	\$18.2 million (~\$350,000)
2002	Transfer of Total <i>Sclerotinia</i> Resistance from <i>Phaseolus coccineus</i> to <i>P. vulgaris</i>	Myers and Stotz	USDA Sclerotinia Initiative	\$55,000
2001	Testing of the <i>Phaseolus coccineus</i> L. Plant Introduction Collection for Physiological Resistance to White Mold	Myers & Gilmore	USDA- NPGS	\$5,632
2001-2005	Evaluation of the lentil collection for resistance to pea enation mosaic virus	Muehlbauer & Myers	USDA- NPGS	\$28,200
1997-2001	Land without hunger: A story of food security, economic growth and the stewardship of natural resources.	Barnes-McConnell et al.	Bean/Cowpea CRSP (USAID)	\$13.2 million (~\$200,000)

## b. Grants and Awards (non-peer reviewed)

Oregon State University

*Funds Awarded*

Year	Title	Funding Source	Amount
<b>Cumulative total</b>			<b>\$2,761,233</b>
2024	Broccoli Breeding for Heat Tolerance, Mechanical Harvest and Processing Quality	OPVC	\$10,919
	Nitrogen fertility requirements of new sweet corn hybrids	OPVC	\$14,928
	Total		\$25,847
2023	Green Bean Breeding for Abiotic and Biotic Stress Resistance, Yield and Quality	OPVC	\$21,405
	Broccoli Breeding for Heat Tolerance, Mechanical Harvest and Processing Quality	OPVC	\$8,775
	Nitrogen fertility requirements of new sweet corn hybrids	OPVC	\$14,051
Total			\$44,231
2022	Green Bean Breeding and Evaluation	OPVC	\$31,070
	Broccoli Breeding and Evaluation	OPVC	\$7,395
	Total		\$38,465
2021	Green Bean Breeding	OR Proc. Veg. Comm.	\$31,070
	Broccoli Breeding and Evaluation	OPVC	\$8,315
	Total		\$39,385
2020	Green Bean Breeding	OR Proc. Veg. Comm.	\$29,352
	Broccoli Breeding and Evaluation	OPVC	\$7,992
	Total		\$37,344
2019	Green Bean Breeding	OR Proc. Veg. Comm.	\$29,352
	Broccoli Breeding and Evaluation	OPVC	\$7,992
	Total		\$37,344



<b>Year</b>	<b>Title</b>	<b>Funding Source</b>	<b>Amount</b>
2018	Green Bean Breeding	OR Proc. Veg. Comm.	\$27,004
	Broccoli Breeding and Evaluation	OPVC	\$7,308
	Identifying and breeding processing pumpkin for vegetable powder (2018-2023)	Knorr Foods Ltd.	\$131,701
	<b>Total</b>		<b>\$166,013</b>
2017	Green Bean Breeding	OR Proc. Veg. Comm.	\$27,072
	Broccoli Breeding and Evaluation	OPVC	\$7,068
	<b>Total</b>		<b>\$34,140</b>
2016	Green Bean Breeding	OR Proc. Veg. Comm.	\$25,079
	Broccoli Breeding and Evaluation	OPVC	\$12,000
	Fungicide and Genetic Resistance for White Mold Control	OPVC	\$2,775
	<b>Total</b>		<b>\$39,854</b>
2015	Green Bean Breeding	OR Proc. Veg. Comm.	\$24,480
	Broccoli Breeding and Evaluation	OPVC	\$6,973
	Breeding Table Beet to Maximize Betalain Production (2015-2020)	Kerr Concentrates	\$190,593
	Fungicide and Genetic Resistance for White Mold Control	OPVC	\$2,727
<b>Total</b>		<b>\$224,773</b>	
2014	Green Bean Breeding	OPVC	\$24,258
	Broccoli Breeding and Evaluation	OPVC	\$7,461
	<b>Total</b>		<b>\$31,719</b>
2013	Elucidating and Improving BBL Green Bean Flavor through Whole Genome Selection (3 year project)	Del Monte Corp.	\$176,881
	Identifying hull-less pumpkins that are high yielding, high quality and adapted to the Willamette Valley	Clif Bar Corp.	\$23,474
	Green Bean Breeding	OR Proc. Veg. Comm.	\$24,319
	Broccoli Breeding and Evaluation	OPVC	\$7,431
	Baggett-Frazier Endowment	Jackman Foundation	\$24,360
	<b>Total</b>		<b>\$256,465</b>
	2012	Mapping genes for resistance to root rot in snap beans (3rd year of 3 yr project, total: \$110,095)	Seneca Food Corp.
Organic plant breeding graduate research fellowship (1st year of 5 yr award; total: \$125,000)		Clif Bar Family Foundation Seed Matters	\$125,000
Green Bean Breeding		OR Proc. Veg. Comm.	\$46,238
Broccoli Breeding and Evaluation		OPVC	\$7,245
Baggett-Frazier Endowment		Jackman Foundation	\$34,512
<b>Total</b>			<b>\$245,808</b>
2011	Mapping genes for resistance to root rot in snap beans (2 <sup>nd</sup> yr of 3 yr project, total: \$110,095)	Seneca Food Corp.	\$32,813
	Green Bean Breeding	OPVC.	\$50,321
	Broccoli Breeding and Evaluation	OPVC	\$9,611
	Root Rot Resistance in Sweet Corn	OPVC	\$18,945
	Baggett-Frazier Endowment	Jackman Foundation	\$28,018
<b>Total</b>		<b>\$139,708</b>	

<b>Year</b>	<b>Title</b>	<b>Funding Source</b>	<b>Amount</b>
2010	Mapping genes for resistance to root rot in snap beans (1 <sup>st</sup> year of 3 yr project, total: \$110,095)	Seneca Food Corp.	\$32,813
	Green Bean Breeding	OPVC	\$46,369
	Broccoli Breeding and Evaluation	OPVC	\$9,648
	Root Rot Resistance in Sweet Corn	OPVC	\$19,067
	Baggett-Frazier Endowment	Jackman Foundation	\$28,018
	<b>Total</b>		<b>\$135,915</b>
2009	Legume PIPE	UC-Davis (WSARE)	\$11,050
	Green Bean Breeding	OPVC	\$40,516
	Broccoli Breeding and Evaluation	OPVC	\$9,589
	Root Rot Resistance in Sweet Corn	OPVC	\$19,344
	Baggett-Frazier Endowment	Jackman Foundation	\$28,018
	<b>Total</b>		<b>\$108,517</b>
2008	Green Bean Breeding	OPVC	\$41,459
	Broccoli Breeding and Evaluation	OPVC	\$10,671
	Root Rot Resistance in Sweet Corn	OPVC	\$23,398
	Baggett-Frazier Endowment	Jackman Foundation	\$28,245
	<b>Total</b>		<b>\$103,773</b>
2007	Green Bean Breeding	OPVC	\$39,378
	Broccoli Breeding and Evaluation	OPVC	\$9,954
	Root Rot Resistance in Sweet Corn	OPVC	\$21,721
	Baggett-Frazier Endowment	Jackman Foundation	\$48,295
	<b>Total</b>		<b>\$119,348</b>
2006	Green Bean Breeding	OPVC	\$55,269
	Broccoli Breeding and Evaluation	OPVC	\$11,335
	Root Rot Resistance in Sweet Corn	OPVC	\$13,521
	Broccoli Head Rot Investigations	ARF	\$10,000
	<b>Total</b>		<b>\$90,125</b>
2005	Green Bean Breeding	OPVC	\$61,970
	Broccoli Breeding and Evaluation	OPVC	\$11,000
	Root Rot Resistance in Sweet Corn	OPVC	\$10,000
	<b>Total</b>		<b>\$82,970</b>
2004	Green Bean Breeding	OPVC	\$60,000
	Broccoli Breeding and Evaluation	OPVC	\$10,062
	Root Rot Resistance in Sweet Corn	OPVC	\$43,325
	<b>Total</b>		<b>\$113,387</b>
2003	Green Bean Breeding	OPVC	\$60,151
	Broccoli Breeding and Evaluation	OPVC	\$7,249
	Root Rot Resistance in Sweet Corn	OPVC	\$14,240
	Baggett-Frazier Endowment	Jackman Foundation	\$18,447
	<b>Total</b>		<b>\$100,087</b>
2002	Green Bean Breeding	OPVC	\$59,244
	Broccoli Breeding and Evaluation	OPVC	\$7,158
	Root Rot Resistance in Sweet Corn	OPVC	\$14,240
	Baggett-Frazier Endowment	Jackman Foundation	\$15,000
	<b>Total</b>		<b>\$95,642</b>
2001	Green Bean Breeding	OPVC	\$61,635
	Broccoli Breeding and Evaluation	OPVC	\$8,571
	Root Rot Resistance in Sweet Corn	OPVC	\$15,215
	Baggett-Frazier Endowment	Jackman Foundation	\$24,817
	<b>Total</b>		<b>\$110,238</b>
2000	Green Bean Breeding	OPVC	\$50,000

Year	Title	Funding Source	Amount
	Broccoli Breeding and Evaluation	OPVC	\$6,205
	Root Rot Resistance in Sweet Corn	OPVC	\$12,508
	Baggett-Frazier Endowment	Jackman Foundation	\$22,003
	UNESCO Biotechnology Training Grant	UNESCO	\$5,000
	Total		\$95,716
1999	Green Bean Breeding	OPVC	\$48,186
	Broccoli Breeding and Evaluation	OPVC	\$9,989
	Root Rot Resistance in Sweet Corn	OPVC	\$8,584
	Baggett-Frazier Endowment	Jackman Foundation	\$31,736
	Total		\$98,495
1998	Green Bean Breeding	OPVC	\$58,557
	Broccoli Breeding and Evaluation	OPVC	\$10,595
	Sweet Corn Variety Evaluation	OPVC	\$5,700
	Root Rot Resistance in Sweet Corn	OPVC	\$7,265
	Baggett-Frazier Endowment	Jackman Foundation	\$16,975
	Total		\$99,092
1997	Green Bean Breeding	OPVC	\$39,450
	Broccoli Breeding and Evaluation	OPVC	\$10,882
	Sweet Corn Variety Evaluation	OPVC	\$5,500
	Total		\$55,832

\*Final amount uncertain due to Norpac bankruptcy.

University of Idaho (1987 – 1996) Cumulative Total: \$468,652

### 3. Patents, germplasm and cultivar releases

#### a. Cultivar releases:

##### i. Released since 1996 (20 cultivars & 1 germplasm release)

Name	Description	Release	
		Date	IP protection
P02	Popping bean	2024	In progress
P05	Popping bean	2024	In progress
Notta Hotta	Mild habanero pepper	2023	PVP applied for
Mild Thing	Mild habanero pepper	2023	PVP applied for
TB66	Table beet (high betanin)	2022	Proprietary release
TB55/63	Table beet (high betanin)	2022	Proprietary release
Midnight Roma	Indigo tomato: high anthocyanin paste type	2020	PVP Certificate # 202100357
S1431	Snow pea: organic fresh market production	2019	Contemplated
Sweet Gem	Snap pea organic fresh market production	2021	Exclusive license
S1430	Snap pea: organic fresh market production	2019	Contemplated
'Cascadia' F <sub>1</sub>	Broccoli: processing/direct harvest type	2017	Trade secret
'Indigo Kiwi'	Tomato: Green grape with purple crown	2017	Contemplated
AO-1012-29-3-3A	Germplasm release. Red kidney with bruchid resistance	2016	Public release
'Patron'	Peruano dry bean with BCMV and BCTV resistance	2016	PVP Certificate # 201700233
'Indigo Cherry Drops'	Tomato: Red cherry with purple (high anthocyanin) crown	2014	PVP Certificate # 201500117
'Indigo Pear Drops'	Tomato: Yellow pear with purple (high anthocyanin) crown	2014	PVP Certificate # 201500116

Name	Description	Release	
		Date	IP protection
'Indigo Rose'	Tomato: Saladette with high levels of anthocyanin in the fruit.	2011	PVP Certificate # 201100302
'Legend'	Tomato: Large fruited, early maturing, late blight resistant parthenocarpic slicer.	2000	Public release
'OSU5630'	Bush blue lake snap bean: high yielding, improved architecture & pod quality.	2005	Public release
'Mshindi'	Dry bean: high yielding disease resistant kablankeki type for Eastern & Southern Africa.	2006	Public release (released through Sokoine Univ. Agric., Tanzania)
'Pesa'	Dry bean: high yielding disease resistant kablankeki type for Eastern & Southern Africa.	2006	Public release (released through Sokoine Univ. Agric., Tanzania)

### ii. Vegetable Cultivars Nearing Release

Name	Description	Release Date	PVP
Golden Delicious winter squash <i>Cucurbita maxima</i>	Resistance to ZYMV and other cucurbit potyviruses. Developed for processing and culinary seed industry.	2025	Contemplated
Snap bean (OSU7066)	BBL green bean w/ partial WM resistance	2024 (in prep)	
Snap bean (OSU7318)	BBL green bean w/ high yield & excellent quality	2024 (in prep)	
Summer squash ( <i>Cuc. moschata</i> )	Improved Tromboncino type w/ excellent quality, taste and flavor; prolificacy various skin colors & better fruit shape	2024 (in prep)	
Winter squash ( <i>Cuc. maxima</i> )	High dry matter Golden Delicious hybrid for processed powder and culinary seed industry	2024	
Dry bean	Peruano – improved seed color w/ virus resistance	2025	
Winter squash ( <i>Cuc. maxima</i> )	Golden Delicious w/ resistance to ZYMV and other cucurbit potyviruses (germplasm release?)	2026	
Tomato	Incorporates <i>Ph-5</i> late blight resistance into various market types	2026	
Broccoli	OSU OP broccoli – farmer participatory developed- OSSI release	2026	
Tomato (Indigo types)	High anthocyanin germplasm – cherry tomatoes (Organically Grown trial), slicer type w/ improved color	2026	

### iii. Cultivar release prior to 1996: (14 cultivars & 4 germplasm releases)

Name	Market Class	Release Date	Plant Var. Protection	
			Certificate No.	PVP issue date
'UI 686'	Cranberry	1989	8900253	12/31/1992
'UI 722'	Dark Red Kidney	1989	8900254	07/31/1992
'UI 906'	Black	1989	8900255	07/31/1992
'UI 125'	Small White	1990	--	
'UI 196'	Pinto	1990	--	
'UI 537'	Pink	1990	9100207	03/31/1993
'UI 137'	Navy	1991	9300202	01/01/1997

Name	Market Class	Release Date	Plant Var. Protection	
			Certificate No.	PVP issue date
'UI 911'	Black	1993	--	
'UI 228'	Small Red	1993	--	
'UI 239'	Small Red	1993	--	
'Black Knight'	Black	1997	9700355	02/15/2001
'UI 320'	Pinto	1998	--	
'UI 465'	Great Northern	1998	--	
'UI 259'	Small Red	1998	--	

iv. **Germplasm releases (pre 1996)**

83B229, Pinto, 1988

6315, Pinto, 1988

83B282, Great Northern, 1988

K0440, Great Northern, 1988

b. Utility patents

LT Wallace, JR Myers. Single nucleotide polymorphism (SNP) markers for *Phaseolus vulgaris* L. and methods of use thereof in selection efficiency with breeding strategies. US11154024B2 filed: 2019-08-08, granted: 2021-10-26.

## D. SERVICE

### 1. University Service

#### a. Departmental

- Department head search committee 2023
- Vegetable Weed Science search committee 2023
- Vegetable Breeding Program FRA Search Committee (chair) 2022
- Northwest Berry Professor Search Committee (chair) 2021-2022
- Acting Department Head (Horticulture) 2013 – 2020 (intermittent as needed)
- NWREC Vegetable Position Search Committee 2016-2017
- Hazelnut Varietal Advisory Committee 2012-2016
- Space Committee 2012-2020, chair
- Horticulture Strategic Planning Committee 2009-2012
- Departmental Promotion and Tenure Committee 2004, chair 2005-2009, 2013, chair 2014, 2016, 2017-18, chair 2018-19, chair 2022, 2023
- Post-tenure review, Mehlenbacher chair, 2002-2003
- Graduate Program Coordinator 2000 -2004
- Graduate Admissions Committee 1997-2000
- Seminar Committee chair, 1998-99, 2005
- Horticulture Farm Committee 1996-2003
- Vegetable Extension Specialist Search Committee, chair 1999-2000

#### b. College

- Executive Associate dean CAS search committee 2019-2020
- Food Sci. & Tech. Pilot Plant Processing FRA search committee 2019
- Organic Extension working group 2019
- Hemp Breeding working group 2019

- New Faculty Forum: Setting up and growing a research program (Panel member for forum convened by CAS) 2019
- Food Sci. & Tech. Pilot Plant Processing FRA search committee 2018
- Teaching review committee, Pankaj Jaiswal, Bot. & Plant Path. 2017-2018
- CAES Promotion and Tenure Committee 2013-2015
- Departmental Head Search Committee 2013
- Potato Breeding Search Committee 2011
- Farm Taskforce Committee 2011-2012
- Web 2.0 Advisory committee 2009-2012
- OSU Experiment Stations Taskforce 2009-2012
- Nursery Plant Materials Search Committee (co-chair) 2008
- Revision of departmental P & T guidelines 2008
- Greenhouse Committee (chair) 2007-2018
- Post-tenure review, George Clough 2007
- Post-tenure review, Bernadine Strik 2006
- Viticulture Extension Specialist Search Committee 2006
- Director NWREC Search Committee 2006
- Columbia Basin Horticulture Extension Agent Search Committee 2005-2006
- Crop Science Potato Breeding Search Committee 200)
- Variety Release Committee 1999 –2016, chair 2012-2016
- Cereal Variety Advisory Committee 1999 -present
- Value-added Specialist Search Committee, Food Sci. & Tech. 2000

c. University N/A

## 2. Service to the Profession

- Manuscript Reviewer (about 10 per year) Journals reviewed in the past 5 years includes: Journal of the American Society for Horticultural Science, HortScience, HorTechnology, Genetic Resources & Crop Evolution, Czech Journal of Genetics and Plant Breeding, Journal of Agricultural Science, Journal of Plant Registrations, Crop Science, PLOS ONE, Plant Breeding, Horticulturae, Climate Change, Agronomy Journal, Plant Breeding Reviews, Crop Protection, Euphytica, Agronomy, BMC Plant Biology & Theoretical and Applied Genetics. Plant Cell Reports, Plant, Cell, Tissue and Organ Culture, Journal of Heredity, New Phytologist, BMC Genetics, Sustainability, CyTA Journal of Food.
- NE-1839 Development and Evaluation of Broccoli Adapted to the Eastern US. Technical committee member, 2020-2023
- National Sclerotinia Initiative technical review of grant proposals 2007 – 2022
- National Organic Standards Board ad hoc committee on excluded methods 2016-2020
- Organic Center Science Advisory Board 2014-present
- Cucurbit Genetics Cooperative Newsletter
  - Editor for *Cucurbita* section 2008-2020
- Bean Improvement Cooperative
  - Genetics Committee (1993 – 2002; Chairman 1993 - 1998)
  - Host and Meeting Organization Committee, Boise, 1993 (Chairman)
  - Board of Directors, 1995 – present
  - Host and Meeting Organization Committee, Portland, 2013 (Chairman)
- SCC-080 (Plant Breeding Coordinating Committee)
- Member, technical committee 2007-2012
- W-150 Regional Project (Genetic improvement of bean (*Phaseolus vulgaris* L.) for yield, disease resistance, and food value)
  - Member, technical committee 1987 - 2004
  - Secretary, 1987

Vice Chairman, 1988

Chairman, 1989

- W-2150 Regional Project (Exotic germplasm conversion and breeding common bean (*Phaseolus vulgaris* L.) for resistance to abiotic and biotic stresses and to enhance nutritional value)
- Member, technical committee 2005 – 2015
- W-3150 Regional Project (Exotic germplasm conversion and breeding common bean (*Phaseolus vulgaris* L.) for resistance to abiotic and biotic stresses and to enhance nutritional value)
- Member, technical committee 2015 – 2020
- W-4150 Regional Project Exotic germplasm conversion and breeding common bean (*Phaseolus vulgaris* L.) for resistance to abiotic and biotic stresses and to enhance nutritional value)
  - Member, technical committee 2020 – present
- NE-124 Regional Project (Genetic manipulation of sweet corn quality and stress resistance)
- Member, technical committee 1999 - 2004
  - Secretary, 2001
  - Chair, 2003
- NECC-1008 (Improving sweet corn: genetics and management)
- Member, technical committee 2005 - 2007
  - Secretary, 2007
- International Sweet Corn Development Association
- Member, 1999 –2005
  - Director, 2002-04
  - Program Chair, 2004
  - President, 2005
- American Society of Horticultural Science
  - Vegetable cultivar descriptions for North America (compiling list 28 for Snap beans & Peas) 2021-2022
  - Member Organic Horticulture Group
  - Member Intellectual Property Rights Group
  - Member Vegetable Breeding Working Group
    - Secretary, 2002
    - Chair elect, 2003
    - Chair, 2004
- *Phaseolus* Crop Germplasm Committee, 1993 – present.  
Chair 2002 to 2007.
- *Pisum* Crop Germplasm Committee, 1997 – present.
- Crucifer Crop Germplasm Committee, 1999 – present.
- Other Legumes Crop Registration Committee, CSSA, 1996-1999.
- Research Advisor East Africa Bean/Cowpea CRSP, 1997-2000.  
Co-chair 1998 - 1999  
Chair 1999 – 2002.
- Technical Committee Member, Bean/Cowpea CRSP, 1998-2002.  
Secretary, 1999 - 2000.  
Chair, 2000 – 2002.
- Regional Facilitator, Eastern and Southern Africa Bean/Cowpea CRSP, 2002 – 2007.

#### Other Professional:

- Panel Reviewer for USDA OSQR – Genetic Improvement of Fruits and Vegetables Laboratory - Beltsville (2022)
- Panel Reviewer for Western SARE (2021)
- Panel Reviewer for USDA OSQR – Vegetables, Beans (2018)
- Peanut foundation proposal review panel (2016)
- Proposal panel technical reviewer for USDA National Sclerotinia Initiative (2006-present)
- USDA NP 301 Panel 9 - Vegetables: Potatoes Panel (CRIS project review, 2013)

- Proposal panel reviewer for USDA Potato Special Grants Program (2009)
- Panel Reviewer for USDA OSQR – Other Vegetables (2008)
- Coordinator for the National Cooperative Dry Bean Nursery, 1987-1996.
- Grant reviewer for *Phaseolus*, *Pisum*, Cucurbit, and Crucifer CGC, NIH SBIR, and NRI (USDA competitive grants).

#### Membership in Professional and Scholarly Organizations:

- American Society of Horticultural Science
- International Society for Horticultural Science
- Bean Improvement Cooperative

#### 3. Service to the Public (professionally related)

SB 789 Legislation regarding Canola Production Oregon Department of Agriculture working group. 2023-2024.

Organic Seed Alliance Plant Breeding Advisory Committee, 2008-present

#### 4. Service to the Public (non-professionally related)

Board of Directors, Idaho Science Olympiad, 1994 – 1996

Volunteer, Thousand Springs Nature Conservancy Preserve, Wendell, Idaho, 1993 – 1996.

Assist family in raising guide dog puppies for Guide Dogs for the Blind, 1998 - 2007.

#### 5. Consulting:

USAID Consultation: Project review of the Legume Innovation Lab Feed the Future Project, Feb. – July, 2016

Dorsing Seed, Co.; 2015, Sugar Snap pea production.

Territorial Seed Co.; 2009, Oregon Star tomato off-type problem

Dorsing Seed Co.; 2005 – 2006, Mammoth Melting Sugar snow pea production

Enola bean utility patent, 1999 – 2008 (expert witness, details confidential)

ISSI (Steve Domagala), 1998, Sprouting peas and broccoli

Simplot, 1988, Presentation of Bean Breeding Program.

Rogers Brothers, 1988, Third party examination of two bean cultivars involved in PVP violations.

## E. HONORS AND AWARDS

- |      |  |
|------|--|
| 2022 | ASHS Outstanding Vegetable Publication in 2021: Cirak, Melike and James R. Myers 2021. The cosmetic stay-green trait in snap bean and the event cascade that reduces seed germination and emergence. <i>Journal of the American Society of Horticultural Science</i> . <a href="https://doi.org/10.21273/JASHS05038-20">https://doi.org/10.21273/JASHS05038-20</a> . |
| 2022 | Elected Fellow of American Society for Horticultural Science   |
| 2019 | Bean Improvement Cooperative Meritorious Service Award.  |
| 2017 | Agricultural Research Foundation Distinguished Faculty Award.  |
| 2017 | ASHS Outstanding Vegetable Publication Award winner for papers published in 2016, for coauthorship of the paper “Total Phenolic Content and Associated Phenotypic Traits in a Diverse Collection of Snap Bean Cultivars” [ <i>J. Amer. Soc. Hort. Sci.</i> 141(1):3–11]  |
| 2017 | OSU University Outreach and Engagement, Vice Provost Award of Excellence, Team award to Culinary Breeding Network and Variety Showcase.  |
| 2013 | 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” [ <i>J. Amer. Soc. Hort. Sci.</i> 137(6):427–437]   |
| 2012 | Awarded a Clifbar Family Foundation Seed Matters Graduate Research Fellowship  |



2009	Award for Excellence for Outstanding Contributions to Western Region Multistate Research as a member of the W-1150 technical committee. (Western Assn. Agric. Exp. Sta. Directors).
2005 – 2007	Board of Directors, Organic Seed Alliance
1999	Bean Improvement Cooperative Distinguished Achievement Award
1996 – present	First holder of the Baggett-Frazier Vegetable Breeding Endowed Professorship
1978	Award of Merit at the Collegiate Branch Forum, American Society of Horticultural Science Meetings.

#### **F. DIVERSITY, EQUITY and INCLUSION**

My approach with the Vegetable Breeding and Genetics program has been to embrace diversity, equity and inclusion. Over the past two and a half decades, many students from diverse backgrounds, genders and sexual orientation have come through the program and I have always tried to treat everyone fairly and with dignity. Eleven (38%) of the graduate students I have advised are minorities and half have been female. Of the 25 undergraduate students that have done senior or honor theses in my program, 56% have been female. From 1980 to present, I have been involved in research and education in East Africa and during that time have advised two graduate students and two post-doctoral trainees from the region. One of my recent graduate students is female, Hispanic and first generation to attend college in her family. I have also taken the OSU search advocate training (2017) and have served on one search committee in that capacity. Several of my research projects have involved farmer participatory research. In this capacity, I am particularly proud of having worked with farmers from underserved regions and communities. Examples would be our Northern Organic Vegetable Improvement Collaborative plant breeding workshops. These have been held in a number of regions around the U.S. but I would specifically mention ones we have done on the Flathead Indian Reservation in Montana, on O'ahu in Hawai'i and with Commonwealth Seeds and Southern Exposure in Virginia. From Hawai'i workshop we have developed a collaborative tomato breeding project.