Chad T. Miller Certified Professional Horticulturist

2607 Throckmorton Plant Sciences Dept. of Horticulture and Natural Resources Kansas State University, Manhattan, KS 66506		Phone: (785) 532-1416 Fax: (785) 532-6949 Email: ctmiller@ksu.edu
EDUCATION	U/ /	
Ph.D. 2010	<b>Cornell University; Ithaca</b> <i>Major</i> : Horticulture <i>Minor</i> : Education Dissertation: Physiological and nutritional studies	of Oxalis regnellii
M.S. 2005	<b>Cornell University; Ithaca</b> <i>Major</i> : Horticulture Thesis: Physiological studies of <i>Achimenes</i>	
B.S. 2002	University of Wisconsin—River Falls; River Fal Major: Horticulture Option: Horticulture Science	
PROFESSIONA	L EXPERIENCE	
Assistant Prof Teaching: Advising:	fessor. Kansas State University; Manhattan, KS fessor. Kansas State University; Manhattan, KS 80%: Research: 20% ~30 undergraduate students; Horticulture Club (co-advisor), 2011—current Pi Alpha Xi, 2012—current	July 2017— current February 2011 – June 2017
	national Research Assistant. Wageningen University a g (PPO)—Lisse; The Netherlands 2004-2005.	and Praktijkonderzoek Plant
Graduate Res	earch and Teaching Assistant. Cornell University; Itl	naca, NY. 2002-2010.
TEACHING EX Current Course		
HORT 19	<b>0 Preparing for Your Horticulture Career</b> (1 credit) aught 2011-16 to primary instructor 2016, 2017)	Fall (2011- current)
HORT 35	<b>0 Plant Propagation</b> (3 credits; 2 lab sections)	Spring (2015- current)
	<b>4 Landscape Plants I</b> (3 credits; 2 to 4 lab sections) ped the course)	Fall (2011- current)
	<b>75 Landscape Plants II</b> (3 credits; 2 to 3 lab sections) ped the course)	Spring (2012- current)
HORT 390 Horticulture Topics (Independent Study; on average advise 1 to 2 students per yea		Fall and Spring (2011- <i>current</i> )
HORT 390 Planthropology—Plants and You (3 credits) (developed the course)		Spring (2019— <i>current</i> )
	<b>0 Horticulture Internship</b> rage 5 students on internship each year)	Fall and Spring (2011-current)
Previous Cour		
HORT 640 Commercial Floral Design (3 credits; co-taught)		Spring 2011
	<b>5 Italian Horticulture and History Study Abroad</b> <i>d; 13 days; 11 students</i> )	Spring 2017
	505 Western European Horticulture Study Abroad ped and lead faculty; 14 days; 15 students.)	Spring 2014

## HONORS AND AWARDS

### International

Invited Floriculture Judge for Proflora 2015

## National

USDA Food and Agriculture Sciences Excellence New Teacher Award, 2017 Perennial Plant Association (PPA) Academic Award, 2017 North American Colleges and Teachers of Agriculture (NACTA) Educator Award, 2017 Association of Public Land Grant Universities (APLU) Inaugural Innovative Teaching Award, 2014 Greenhouse Product News (GPN) Magazine Top 40 Under 40 inaugural class, 2012 Perennial Plant Association Symposium Undergraduate Academic Scholar Award, 2002 American Society for Horticultural Science Undergraduate Collegiate Scholar, 2002 American Society for Horticultural Science Outstanding Undergraduate Horticulture Student, 2002 Pi Alpha Xi Intercollegiate Flower Judging Contest

**High Individual** (1<sup>st</sup> place) Potted Plant Judging, *1999* **Overall Third Place Floral Judging Team Member**, *1999* 

### University/College/Department

Kansas State University College of Agriculture Innovative Teaching & Learning Award, Spring 2015 Kansas State University Gamma Sigma Delta Teaching Award, Spring 2015 Kansas State University College of Agriculture Advisor of the Year, 2014-2015 Kansas State University College of Agriculture Teaching Faculty of Semester, Fall 2014 Kansas State University Big 12 Faculty Fellow; Kansas State University, 2014 Cornell University Department of Horticulture Achievement Award, 2007 Cornell University William Frederick Dreer Fellowship Award, 2004 Cornell University German Studies Department Martijn Zwarte Grant, 2004 Univ. Wisconsin—River Falls Outstanding Undergraduate Student in Horticulture, 2002

## **Invited Speaker**

Kansas State University College of Agriculture Commencement Speaker; *December 2017*North American Colleges and Teachers of Agriculture (NACTA) Workshop Panelist on Promotion and Tenure; June 2018
North American Lily Society Annual Lily Show and Symposium Program Speaker; *June 2018*

## Scholarships Received

Federated Garden Clubs of New York State Scholarship, 2006
African Violet Society of America Scholarship, 2003
James K. Rathmell Jr. Scholarship; FIRST Scholarship Program, 2003
John Carew Memorial Scholarship; FIRST Scholarship Program, 2002
Seed Companies Scholarship; FIRST Scholarship Program, 2002, 2000
Wisconsin Nursery and Landscape Association, 2001
Joseph Shinoda Scholarship, 2001, 2000, 1999
Wisconsin Regional Lily Society, 2000, 1999
Ed Markham Scholarship; FIRST Scholarship Program, 1999
Anderson Foundation Scholarship, 1998
Minnesota Nursery Landscape Association Scholarship, 1998
Wisconsin Garden Club Scholarship, 1998

#### Curriculum Vitae

PROFESSIONAL ACADEMIC AFFILIATIONS AND HONOR SOCIETIES SERVICE
American Society for Horticultural Science (ASHS), 2002- current
Education Publication Award Committee Member, 2013 – 2017
Outstanding Undergraduate Educator Award Committee Member, 2016 – current
Outstanding Graduate Educator Award Committee Member, 2018 – current
Certified Public Horticulture Board
<b>Board Chair</b> , 2016 — 2018
<b>Board Member</b> , 2014 – 2018
International Society for Horticultural Science (ISHS), 2004- current
North American Colleges and Teachers of Agriculture (NACTA), 2011-current
Award Recognition Committee Member, 2014-current
Editorial Board Member, 2016—current
Journal Awards Committee, Chair, 2018-current
American Horticulture Society (AHS), 2011- current
Gamma Sigma Delta, Eta Chapter, initiated 2012; 2012-current
<b>President-</b> 2016-2017
Student Teaching and Research Recognition Chair, 2015-current
Fall Banquet Chair, 2017 and 2018
Pi Alpha Xi, Alpha Zeta Chapter, initiated 1999
Undergraduate Activities (national) Committee Member, 2016-current
Alpha Zeta, Gamma Chapter, initiated 1999
Cornell University Society of Horticulture Graduate Students (SOHO), 2002-2010
President 2007-2008; Secretary 2006-2007; Social Chair 2003-2004
Graduate and Professional Student Association Representative (GPSA), 2006-2007
Cornell University Graduate and Professional Student Association (GPSA) 2008-2009
Finance Committee Member 2006-07
SELECTED CAMPUS SERVICE
University
<b>Committee Member</b> ; Landscape Advisory, Spring 2012 – Fall 2014

College

Committee Member; Awards Committee, 2012 - current

Committee Member; Undergraduate Research Committee, Spring 2017 - current

Committee Member; Commerce Bank Teaching Award Landscape Architecture Dept., Spring 2014

#### **Department**

Co-advisor Undergraduate Horticulture Club, *Fall 2011 - current* Advisor for Pi Alpha Xi (Omega Chapter) Horticulture Honor Society, *Fall 2012 - current* Co-coordinator FFA CDE State competition, *Spring 2011 - current* Committee Member; Department Awards Program; *Spring 2011 - 2018* Committee Chair; Faculty Position Search, *Fall 2017* Committee Member; Teaching Task Force, *Fall 2014 – 2016* Committee Member; Faculty Position Search, *Spring 2015* Committee Member; Conservatory Planning Committee, *Spring 2014* Committee Member; Curriculum Committee, *Fall 2014-current* Committee Member; Recruitment and Retention Committee, *Spring 2011 – Fall 2014* Committee Member; Student Technology Fee Task Force, *Fall 2011 – Fall 2014* Committee Chair; Department Recruitment, *Fall 2018-current* Committee Member; Department Promotion and Tenure; *Fall 2018-current* 

## INDUSTRY ASSOCATION AND PLANT SOCIETY AFFILIATIONS

 <u>Industry Associations</u>
 AmericanHort)—An Association of Horticulture Professionals 2004 -current (formerly known as OFA and American Nurseryman's Association) Generation Next Committee Member (2013-2016)
 Perennial Plant Association, 2010-current Scholarship Review Committee Member, current
 American Nursery and Landscape Association (ANLA), 2011-2013
 American Society for Cut Flower Growers, 2012—2016
 Minnesota Nursery and Landscape Association, 1999-2000
 National Association of Landscape Professionals (NALP), 2011-current

**Plant Societies** 

American Conifer Society, 2013-2014 American Daffodil Society, 2015- current American Gloxinia and Gesneriad Society, 2003 American Hemerocallis Society, 2015-2016 American Iris Society, 1999 American Penstemon Society, 2013-2014 International Oak Society, 2015 - current Minnesota Dahlia Society, 2000 Minnesota Daylily Society, 1999 North American Rock Garden Society, 2016 - current North American Lily Society, 2016 - current Pacific Bulb Society, 2013 - current Wisconsin Regional Lily Society, 1999-2003

**PUBLICATIONS** [graduate student authors advised by Miller underlined; teaching publications italicized] *Refereed* 

**C.T. Miller.** 2019. Plant Madness: a classroom game using bracketology<sup>®</sup> for horticulture plant identification courses. HortTechnology. (*accepted*; *in press*) KAES#: 19-153-J (1; 100%)

**C.T. Miller**, K. Snyder, and M.P. Bridgen. 2017. The 2017 National Floriculture Form: Engaging Young People in the Industry. HortTechnology. 27(6):754-756. KAES#: 18-158-J

Wilson, M.S. and C.T. Miller. 2017. Student use and perceptions of virtual plant walk maps as a study tool in plant identification courses. HortTechnology. 27(1): 121-128. KAES#: 17-098-J

Williams, K.A., C.T. Miller and W. Upham. 2016. *Relationship between High School Student Participation in State-level FFA Career Development Events and Matriculation at the Host University: A Case Study in Horticulture at Kansas State University*. HortTechnology. 26(6): 862-868. KAES#: 15-262-J

Wilson, M.S. and C.T. Miller. 2015. Using Google Maps web-application to create virtual plant maps for use as an online study tool in plant identification courses. HortTechnology. 25:253-256. KAES#: 15-227-J.

Craver, J.K., C.T. Miller, K.A. Williams and N. Bello. 2014. UVB radiation affects intumescence development in ornamental sweetpotato (*Ipomoea batatas*). HortSci. 49:1277-1283. KAES#: 14-379-J.

<u>Craver, J.K.</u>, **C.T. Miller**, K.A. Williams and D.L. Boyle. 2014. Characterization and Comparison of Lesions on Ornamental Sweetpotato 'Blackie', Tomato 'Maxifort', Interspecific Geranium 'Caliente Coral', and Bat-faced Cuphea 'Tiny Mice'. J. Amer. Soc. Hort. Sci. 139(5):603-615. KAES#: 14-384-J.

### Curriculum Vitae

**Miller, C.T.**, B. Lockhart, M. Daughtrey, and W.B. Miller. 2012. Iron deficiency may result in interveinal chlorosis of shamrock plant (*Oxalis regnellii*). Flor. Orn. Biotechnol. 6(2):99-103.

**Miller, C.T.**, N.S. Mattson, and W.B Miller. 2011. Fertilizer composition, concentration and irrigation method affect growth and development of *Oxalis regnellii* and *Oxalis triangularis*. HortSci. 46:1110-1115.

**Miller, C.T.** and M.P. Bridgen. 2010. Effects of storage period on growth and development in five achimenes cultivars. HortTechnology 20(2): 377-380.

**Miller, C.T.**, N.S. Mattson, and W.B Miller. 2009. Nitrate:Ammonium ratio affects growth and development of *Oxalis regnellii* in hydroponic culture. Israel J Plant Sci. 57(4): 389-396.

Barba-Gonzalez R., **C.T. Miller**, M.S. Ramanna and J.M.van Tuyl. 2006. Nitrous oxide (N<sub>2</sub>O) induces 2n gametes in sterile  $F_1$  hybrids between Oriental × Asiatic lily (*Lilium*) hybrids and lead to intergenomic recombination. Euphytica 148(3): 303-309.

## Proceedings of Scientific Symposia

**Miller, C.T.**, J.J. Griffin, and W.B. Miller. 2018. Effects of planting depth and mulching on perennialization of several small geophytic species. Acta Hort. 1171:395-399. KAES#: 17-099-A.

**Miller, C.T.**, <u>L. Fleuridor</u>, and W.B. Miller. 2018. Effects of pre-plant bulb soaks of flurprimidol and paclobutrazol and pre-plant bulb water soaks with basal root cutting on growth of three amaryllis (*Hippeastrum*) cultivars. Acta Hort. 1171:389-394. KAES#: 17-100-A.

Williams, K.A., J.K. Craver, C.T. Miller, N. Rud and M.B. Kirkham. 2015. Differences between the physiological disorders of intumescences and edemata. Acta Hort. 1104:401-406. KAES# 15-214-A.

**Miller, C.T.,** P.M. Filios, and W.B. Miller. 2013. Effects of flurprimidol, paclobutrazol and uniconazole soaks and drenches on amaryllis (*Hippeastrum*) growth and development. Acta Hort. 1002:431-438.

**Miller, C.T.** and W.B. Miller. 2011. Investigating interveinal chlorosis in *Oxalis regnellii*. Acta Hort. 886:183-186.

Gude, H., M. H.G.E. Dijkema, and **C.T. Miller**. 2011. Extending the shelf life of flower bulbs and perennials in consumer packages by modified atmosphere packaging. Acta Hort. 886:99-103.

Barba-Gonzalez, R., C.T. Miller, M.S. Ramanna and J.M. van Tuyl. 2006. Induction of 2n gametes for overcoming  $F_1$ -sterility in lily and tulip. Acta Hort. 714:99-106.

**Miller, C.T.** and M. Bridgen. 2005. Photoperiod and stock plant age effects on shoot, stolon, and rhizome formation response from leaf cuttings of *Achimenes*. Acta Hort. 673:349-353.

## Proceedings

**Miller, C. T.** and M.P. Bridgen. 2010. Day length affects rhizome development and plant growth of two *Achimenes* cultivars. Proceedings of the International Plant Propagators' Society. 60: 386-389.

**Miller, C. T.** and W.B. Miller. 2010. Effects of storage period and rhizome breaking on *Oxalis triangularis* subsp. *papilionaceae* growth and development. Proc. Intl. Plant Prop. Soc. 60: 390-397.

Miller, C. T. and M.P. Bridgen. 2004. Photoperiod and stock plant age effects on rhizome, shoot, and stolon initiation from *Achimenes* leaf petiole cuttings. Proc. Intl. Plant Prop. Soc. 54: 523-528.

## **Book Chapters**

K.A. Williams, **C.T. Miller**, and <u>J.K. Craver</u>. 2016. Light quality effects on intumescence (oedema) on plant leaves. In: Kozai, T., K. Fujiwara, and E. Runkle, eds. LED Lighting for Urban Agriculture. Springer-Japan.

Miller, C.T. Achimenes. 2012. In: Ball Redbook. 18<sup>th</sup> ed.

Miller, C.T. Oxalis. 2012. In: Ball Redbook. 18<sup>th</sup> ed.

**Oral Presentations and Abstracts** [\*denotes presenter; graduate student authors advised by Miller underlined; teaching presentations italicized]

\*Miller, C.T., C.R. Boyer, and A. Teeter. 2018. Undergraduate Students and the Extension Mission of Land Grant Universities: Engagement through Course Field Trips. International Conference on Educational Innovation. Oral Presentation; Abstr.

Williams, K.A., \*Martini, N., G. Hock, and C.T. Miller. 2018. Instructional Resources to Teach Science Concepts while Promoting Careers in Horticulture. North American Colleges and Teachers of Agriculture Annual Conference. NACTA J. 62 (Supp. 1):55. Oral Presentation; Abstr.

Hoch, B.K.\* and C.T. Miller. 2017. *March Madness Meets Plant Identification*. Teachers Ignite Workshop. HortScience. 53(9):S114. Oral Presentation; Abstr.

<u>Hoch, B.K</u>.\*, **C.T. Miller**, K.A. Williams, and J.J. Griffin. 2017. Assessing the tolerance of Texas red oak, Durand oak and pin oak to high substrate pH. HortScience. 53(9): S301. Poster Presentation; Abstr.

**Miller, C.T\***. *Plant Madness in Plant Identification*. 2017. North American Colleges and Teachers of Agriculture Annual Conference. NACTA J. 61 (Supp. 1):64. Oral Presentation; Abstr.

**Miller, C.T.\***, <u>L. Fleuridor</u> and W.B. Miller. 2016. Effects of root-trimming and pre-plant bulb soaks of flurprimidol and paclobutrazol on growth and development of three amaryllis (*Hippeastrum*) cultivars. XII International Symposium on Flower Bulbs and Herbaceous Perennials. Oral Presentation.

Wilson, M.S and C.T. Miller.\* 2014. Evaluating Student use of Google Maps<sup>TM</sup> as a Study Resource for *Plant Identification Courses*. North American Colleges and Teachers of Agriculture Annual Conference. NACTA Journ. 58 (Supp. 1):20. Oral Presentation; Abstr. *Invited Presentation*.

**Miller, C.T.\*** and K.A. Williams. 2014. *Do High School Students who Participate in State FFA Career Development Events Matriculate at the Host University? A Case Study with Horticulture CDEs at Kansas State University*. American Society for Horticultural Sciences Annual Conference. HortScience. 49(9).S206. Oral Presentation; Abstr.

<u>Craver, J.K.</u>\*, **C.T. Miller**, and K.A. Williams. 2014. Effects of UVB radiation on intumescence development in *Ipomoea batatas*. K-State Research Forum; March 266, 2014. **Placed 1<sup>st</sup> in Agriculture Sciences Oral Session** 

<u>Craver, J.K.</u>\*, **C.T. Miller**, K.A. Williams and N. Bello. 2014. UVB radiation affects intumescence development in ornamental sweet potato (*Ipomoea batatas*). American Society for Horticultural Sciences Annual Conference. HortScience. 49(9):S198. Oral Presentation; Abstr. **Placed 3<sup>rd</sup> in Controlled Environment Graduate Student Oral Presentation Competition.** 

**Miller, C.T.\*,** P.M. Filios, and W.B. Miller. 2012. Effects of plant growth regulator dips and drenches on amaryllis growth and development." XI International Symposium on Flower Bulbs and Herbaceous Perennials. Oral Presentation.

**Miller, C.T.\*** and W.B. Miller. 2009. Research update on *Oxalis*. Cornell Floriculture Field Day. Oral Presentation.

**Miller, C.T.\***; W.B. Miller, and J. Sparks. 2008. Comparison of total chlorophyll content with chlorophyll meter readings in *Oxalis regnellii*. American Society for Horticultural Sciences Annual Conference. HortScience. 43(4):1097. Oral Presentation; Abstr.

**Miller, C.T.\*** and M.P. Bridgen. 2004. Photoperiod and Stock Plant Age Effects on Shoot, Stolon, and Rhizome Formation Response from Leaf Cuttings of *Achimenes*". IX International Symposium on Flower Bulbs. Oral Presentation.

#### Curriculum Vitae

**Poster Presentations and Abstracts** [\*denotes presenter; graduate student authors advised by Miller underlined; teaching presentations italicized]

Hoch, B.K.\* J.J. Griffin, and C.T. Miller. 2018. Effects of high pH substrate on growth and foliar chlorosis of Iowa grown river birch provenances. HortScience. 53(9):*in press*. Abstr.

**Miller, C.T\***. Taking advantage of a Stinky Opportunity to Promote Science. 2018. North American Colleges and Teachers of Agriculture Annual Conference. NACTA J. 62 (Supp. 1):111. Poster Presentation; Abstr.

Hoch, B. K.\*, S.A. Sprague, C.T. Miller. 2017. *Grocery Shopping for Geophytes*. North American Colleges and Teachers of Agriculture Annual Conference. NACTA J. 61 (Supp. 1):129. Poster Presentation; Abstr.

Miller, C.T.\*, <u>A. Osoreo</u>, and K.A. Williams. 2016. *Cuphea* species and cultivars differ in occurrence of intumescence. HortScience. 51(9): S368. Poster Presentation; Abstr.

**C.T. Miller\***, G. Davis and C. Lavis. 2016. *Surveying Incoming Undergraduate Horticulture Students About Their Horticulture Backgrounds and Career Concerns*. American Society for Horticultural Sciences Annual Conference. HortScience. 51(9): S267. Poster Presentation; Abstr.

Boyer, C., C.T. Miller, and A. Teeter. 2016. *Facilitating exposure and understanding of extension resources to undergraduate students*. American Society for Horticultural Sciences Annual Conference. HortScience. 51(9): S266. Poster Presentation; Abstr.

**Miller, C.T.**,\* J.J. Griffin, and W.B. Miller. 2016. Effects of planting depth and mulching on perennialization of several small geophytic species. XII ISHS Symposium on Flower Bulbs and Herbaceous Perennials. Poster Presentation.

**Miller C.T.**\*, C. Boyer and A. Teeter. 2016. *Exposing undergraduate students to the extension mission of land grant universities using a course field trip.* North American Colleges and Teachers of Agriculture Annual Conference. NACTA J. 60 (Supp.1):117. Poster Presentation; Abstr.

<u>Corpstein, H</u>\*. and **C.T. Miller**. 2016. Effects of plant growth regulators on controlling oxalis (*Oxalis* spp.) plant height. Gamma Sigma Delta Undergraduate Research Showcase; Kansas State University. Poster Presentation.

**Miller C.T.\***, C.J. Currey, and A.M. VanDerZanden. 2015. *Integrating Native Perennial Plant Concepts into Plant Propagation Curricula*. North American Colleges and Teachers of Agriculture Annual Conference. NACTA J. 59 (Supp.1):69. Poster Presentation; Abstr.

Currey C.J., A.M. VanDerZanden, and C.T. Miller. 2015. *Integrating Containerized Native Perennial Plants into Greenhouse Crop Production Curricula*. North American Colleges and Teachers of Agriculture Annual Conference. NACTA J. 59 (Supp.1):56. Poster Presentation; Abstr.

VanDerZanden, A.M., C.J. Currey, and C.T. Miller. 2015. *Native Plant: What Does it Mean and Why Does it Matter?* North American Colleges and Teachers of Agriculture Annual Conference. NACTA J. 59 (Supp.1):52. Poster Presentation; Abstr.

<u>Wilson, M.S</u>\* and C.T. Miller. 2015. *Characterizing student use of virtual plant maps as a study tool in plant identification courses*. American Society for Horticultural Sciences Annual Conference. HortScience. 50(9): S273. Poster Presentation; Abstr.

**Miller, C.T**.\*, <u>J.K. Craver</u>, M.G. Cruz, and K.A. Williams. 2015. Screening of Ornamental Sweetpotato (*Ipomoea batatas*) Cultivars for Intumescence Development. American Society for Horticultural Sciences Annual Conference. HortScience. 50(9): S253. Poster Presentation; Abstr.

Miller, C.T.\* and <u>M.S. Wilson</u>. 2014. "*Trade Show Display*" *Learning Activity to Enhance Plant Identification Courses*. North American Colleges and Teachers of Agriculture Annual Conference. NACTA Journ. 58 (Supp. 1):76. Poster Session; Abstr.

**Miller, C.T.\*** and K.A. Williams. 2014. *State-level FFA Career Development Events are an Opportunity to Recruit High School Students into Agriculture Majors*. North American Colleges and Teachers of Agriculture Annual Conference. NACTA Journ. 58 (Supp. 1):80. Poster Presentation; Abstr.

Keeley, S., G. Davis\*, C. Lavis, J. Fry, K.A. Williams, and **C.T. Miller**. 2014. *Creating a culture of professionalism in an undergraduate horticulture program*. North American Colleges and Teachers of Agriculture Annual Conference. NACTA Journ. 58 (Supp. 1):72. Poster Presentation; Abstr.

Williams, K.A.\*, J.K. Craver, C.T. Miller, N. A. Rud, and M. B. Kirkham. 2014. Differences between the physiological disorders of intumescences and edemata. International Society for Horticulture Sciences Congress. Poster Presentation; Abstr.

<u>Craver, J.K.</u>\*, **C.T. Miller**, K.A. Williams, and D. L. Boyle. 2014. Characterization and Comparison of Lesions from Physiological Disorders on Ornamental Sweet Potato (*Ipomoea batatas*), Tomato (*Solanum lycopersicum 'Maxifort'*), and Interspecific Geranium (*Pelargonium* x '*Caliente Coral'*). American Society for Horticultural Sciences Annual Conference. HortScience. 49(9):S388. Poster Presentation; Abstr.

**Miller, C.T.\*** 2013. *Experiential learning activities to enhance plant materials courses*. North American Colleges and Teachers of Agriculture Annual Conference. NACTA Journ. 57 (Supp. 1):131. Poster Presentation; Abstr.

<u>M.S. Wilson</u> and **C.T. Miller\*.** 2013. *Incorporating digital plant walks using Google Maps™ in plant materials courses*. North American Colleges and Teachers of Agriculture Annual Conference. NACTA Journ. 57 (Supp. 1):131. Poster Presentation; Abstr.

**Miller, C.T.** and W.B. Miller\*. 2011. Review of *Oxalis* research project. North American Flower Bulb Wholesalers Association. Poster Presentation.

**Miller, C.T.** P.M. Filios\* and W.B. Miller. 2011. PGR application effects on Amaryllis. North American Flower Bulb Wholesalers Association. Poster Presentation.

**Miller, C.T.\*** P.M. Filios and W.B. Miller. 2010. Evaluations of planting mix, planting depth and growth regulators on forcing of Dutch grown calla lilies (*Zantedeschia*). North American Flower Bulb Wholesalers Association. Poster Presentation.

**Miller, C. T.\*** and M.P. Bridgen. 2010. Day length affects rhizome development and plant growth of two *Achimenes* cultivars. Proceedings of the International Plant Propagators' Society. Poster Presentation.

**Miller, C. T.\*** and W.B. Miller. 2010. Effects of storage period and rhizome breaking on *Oxalis regnellii* growth and development. Proceedings of the International Plant Propagators' Society. Poster Presentation.

**Miller, C.T.**\* and W.B. Miller. 2008. Investigating interveinal chlorosis in *Oxalis regnellii*. X International Symposium on Flower Bulbs and Herbaceous Perennials. Poster Presentation.

**Miller, C.T.** and M.P Bridgen. 2006. Florel effects on *Achimenes*. North American Flower Bulb Wholesalers Association. Poster Presentation.

**Miller, C.T.**\* and W.B. Miller. 2007. Interveinal chlorosis in *Oxalis regnelli*. American Society for Horticultural Sciences Annual Conference. HortScience. 42(4):973. Poster Presentation; Abstr.

**Miller, C.T.\*** and M.P. Bridgen. 2003. Effects of photoperiod and plant age on leaf cuttings of *Achimenes*. HortScience. 38(5):752. Poster Presentation; Abstr.

**Miller, C.T.\*** and M.P Bridgen. 2002. *Achimenes*. North American Flower Bulb Wholesalers Association. Poster Presentation.

## **Extension and Trade Article Publications**

**C.T. Miller**. 2016. Certifiable! Become a certified horticulture professional as part of your professional brand. GPN. 26(5):40-42. KAES#: 17-034-T

<u>Craver, J.</u> C.T. Miller, M.G. Cruz, and K.A. Williams. 2014. "Intumescences: Further investigations into an elusive disorder." Greenhouse Product News. 24(9): 32, 34, 36. KAES#: 15-041-T.

Craver, J. C.T. Miller and K.A. Williams. 2013. "Intumescences: A physiological disorder of greenhousegrown crops." Greenhouse Product News. 23(12):12-19. KAES#: 14-213-T.

**Miller, C.T**. P.M. Filios and W.B. Miller. 2013. "Controlling amaryllis height with PGR soaks." Greenhouse Product News. 23(10): 16-20. KAES#14-212-T.

**Miller, C.T.**, R. Cloyd, K. Williams, A. Stevens, M. Kennelly, J. O'Mara and S. McElwain. 2013. "Floriculture at Kansas State University". Greenhouse Product News. 23(7):26-32. KAES#14-211-T.

**Miller, C.T.** and W.B. Miller. 2013. Calla lily height control with media drenches. Greenhouse Product News. 23(2):24-28.

**Miller, C.T.** and M.P. Bridgen. 2011. Achimenes makes a comeback. Greenhouse Product News. 21(6):30-36.

**Miller, C.T.** and W.B. Miller. 2010. Still keeping shamrocks green. Greenhouse Product News. 20(12): 26-28.

**Miller, C.T.** and W.B. Miller. 2010. Flurprimidol and Paclobutrazol drenches and tuber dips affect growth of Dutch grown calla lilies (*Zantedeschia*) Flower Bulb Research Newsletter (January)

**Miller, C.T.**, B. Lockhart, M. Daughtrey, and William B. Miller. 2009. "Keeping shamrock plants green—does chlorosis mean virus or nutrient deficiency... or both?" Greenhouse Product News. 9(12): 24-29.

**Miller, C.T**. and W.B. Miller. 2008. Evaluations of planting mix, planting depth and growth regulators on forcing of Dutch grown calla lilies (*Zantedeschia*). Flower Bulb Research Newsletter (December)

## Webinars

**Miller, C.T.** 2016. What are those bumps, blisters, and lesions? e-GRO webinar, Part I; archived: <u>https://www.youtube.com/watch?v=UfE7fkbh7eg</u>.

## **Other Publications**

Horticulture Newsletter. Horticulture, Forestry, and Recreation Resources Department. The bulbs are blooming! But wait...You forgot to plant them last fall?!?! April 1, 2011.

Hort Shorts. Cornell Dept. of Horticulture Newsletter. Hort 3100 Class Ventures South. Spring 2009

Hort Shorts. Cornell Dept. of Horticulture Newsletter. Visit to Ball Horticulture Company. Fall 2008

Hort Shorts. Cornell Dept. of Horticulture Newsletter. Goede Dag! Fall 2008

Hort Shorts. Cornell Dept. of Horticulture Newsletter. *Answer: It was the first purely botanical institution in the inter-mountain states.* Fall 2007.

Hort Shorts. Cornell Dept. of Horticulture Newsletter. Cran-you believe it? Fall 2007.

Hort Shorts. Cornell Dept. of Horticulture Newsletter. Borglum Iris Gardens. Fall 2007.

# **GRANTS, CONTRACTS, AND PROGRAM FUND GENERATION**

## Disciplinary Research Extramural Funding

<u>USDA Two-Year Post-secondary Education and Agriculture in the K-12 Classroom (SPECA) Challenge</u> <u>Grant.</u> K.A. Williams, **C.T. Miller** and G.A. Hock. 2017. Developing Online Modules for High School Teachers that Hybridize Horticulture and Science Curricula while Promoting Horticulture as a Career. **\$50,000.** 

<u>Fred C. Gloeckner Foundation, Inc.</u> **C.T. Miller**. 2017, 2018. Understanding the effects of root zone temperature in potted dahlia production. **\$20,000; 2 years.** 

<u>Fred C. Gloeckner Foundation, Inc. K.A. Williams and C.T. Miller</u>. 2016. Understanding and abating intumescence development in *Angelonia* and *Solanum* spp. **\$8,000** 

<u>Fred C. Gloeckner Foundation, Inc. K.A. Williams and C.T. Miller.</u> 2015. Understanding and Abating Intumescence Development in *Cuphea* spp. **\$7,000** 

<u>Fred C. Gloeckner Foundation, Inc.</u> **C.T. Miller**, K.A. Williams and J. Craver. 2013. Understanding and preventing intumescence development on *Ipomoea batatas* and other ornamental crops. **\$10,000**.

<u>American Floral Endowment</u>. K.A. Williams and **C.T. Miller**. 2011 and 2012. Leveraging FFA Career Development Events in floriculture as a student recruitment tool. **\$2,800; 2 years**.

<u>Fred C. Gloeckner Foundation, Inc.</u> **C.T. Miller** and W.B. Miller. 2007 and 2008. Investigations of interveinal chlorosis in *Oxalis regnellii*. **\$20,500 (2 years)** 

Kenneth Post Foundation and Herman Schenkel Memorial Fund Grant. C.T. Miller and W.B. Miller. 2006, 2007, 2008, 2009. Physiological studies of leaf chlorosis in *Oxalis regnellii*. **\$9,500 (4 years)** 

## Disciplinary Research Intramural Funding

<u>Kansas State Univ.</u> Faculty Development Grant. **C.T. Miller**. Present 'Effects of pre-plant bulb soaks and basal root trimming on growth and development of three amaryllis (*Hippeastrum*) cultivars at the International Society for Horticulture Science Flower Bulb and Herbaceous Perennial Symposium in Kunming, China; June 28, 2016. **\$2,000** 

<u>Kansas State Univ</u>. Office of International Programs Incentive Grant. **C.T. Miller**. Building collaborative horticulture study abroad opportunities: Ecology and horticulture of South Africa. November, 2015. **\$2,250** 

<u>Kansas State Univ</u>. Faculty Development Grant. **C.T. Miller**. Present 'Effects of flurprimidol, paclobutrazol and uniconazole dips and drenches on amaryllis growth and development' and 'Paclobutrazol and flurprimidol tuber drenches and dips affect growth and development of calla lily' at the International Society for Horticulture Science Flower Bulb and Herbaceous Perennial Symposium in Turkey, March, 2012. **\$2,000** 

## Scholarship of Teaching & Learning Extramural Funding

Association of Public and Land-Grant Universities Innovative Teaching Award. Currey, C., **C.T. Miller**, and A.M. VanDerZanden. 2014. Propagation and production of underutilized and challenging native Midwest prairie plants. **\$2,000** 

## Scholarship of Teaching & Learning Intramural Funding

College of Agriculture; Kansas State Univ. C.T. Miller, B. Hoch, and C. Boyer. 2016. Increasing exposure and understanding of horticulture extension resources to horticulture undergraduate students. \$3,100

#### Curriculum Vitae

<u>College of Agriculture; Kansas State Univ</u>. K.A. Williams and **C.T. Miller**. 2015. Developing and Evaluating a Module to Present Horticulture as a Field of Aspirational Careers to High School Students who Visit K-State's HFRR Department. **\$3,000** 

<u>College of Agriculture; Kansas State Univ</u>. **C.T. Miller**, R. Mattson, L. Westervelt. 2013. Developing and designing a carnivorous plant teaching collection. **\$2,000** 

## Funding Proposals Not Accepted

## 15 Proposals not funded: combined budget requests of \$490,725

*Funding Agencies Applied to*: Higher Education Challenge (HEC) Grant Horticultural Research Institute (HRI); Secondary Education, Two-Year Post-Secondary Education, and Agriculture in the K-12 Classroom (SPECA) Challenge Grant; Education and Literacy Initiative (ELI) Agriculture, Natural Resources and Human Sciences USDA-AFRI; Kansas Department of Agriculture Specialty Crop Block Grant; Fred C. Gloeckner Foundation; American Floral Endowment; John Z. Duhling Grant Program; American Penstemon Society; Pacific Bulb Society

## Scholarship and Awards Funding Awarded To Students

(through letters of recommendation; both undergraduate and graduate students) 2018: \$14,000: 2017: \$33,500; 2016: \$17,000; 2015: \$11,000; 2014: \$25,500; 2013: \$4,500; 2012: \$7,500

Total: \$113,000

## Gifts in Kind

(*donations for teaching and research endeavors; estimated value*) 2018: \$2,650; 2017: \$3,750; 2016: \$7,650; 2015: \$4,500; 2014: \$1,050; 2013: \$5,100; 2012: \$400; 2011: \$1,000

Total: \$26,100

## GRADUATE STUDENT ADVISING

## Major advisor

Braden Hoch, (co-advisor) M.S. 2018. Quercus and Betula species and pH tolerance.

<u>Joshua Craver</u>, (co-advisor) M.S. 2014. The effects of UVB radiation on intumescence development and the characterization of lesions from physiological disorders on ornamental sweetpotato (*Ipomoea batatas*), tomato (*Solanum lycopersicum*), and interspecific geranium (*Pelargonium* spp.). Currently: Currently Ph.D. at Purdue University.

## Graduate Committee Memberships

<u>Nicole Martini</u>, Ph.D. (*in progress*; *anticipated* May 2021). Development of Online Modules for High School Teachers that Hybridize Horticulture and Science Curricula while Promoting Horticulture as a Career.

Jianquio Luan, M.S. Horticulture 2018; Modernizing Residential Landscape Design Extension Materials.

Matthew Wilson. Ph.D. Horticulture 2016; Pine Wilt Disease Management in Kansas and Use of Virtual Plant Walk Maps as a Tool for Teaching Plant Identification Courses.

Jason Nelson; M.S. Horticulture 2013; Organic and inorganic fertilization with and without microbial inoculants in peat-based substrate and hydroponic crop production

## INTERNATIONAL INTERN ADVISING

## Zamorano University (Honduras)

Sergio Marcelo Laredo Gutierrez (co-advised; Spring 2017) Andrea Marcela Osario (co-advised; Spring 2016) Myrna Gabriela Cruz (co-advised; Spring 2013) Louceline Fleuridor (Spring 2012)

## INTERNATIONAL STUDY ABROAD EXPERIENCES

Italian Horticulture and History—From Rome to Venice; 2 weeks. May 2017. (faculty co-leader; 11 students).

Ecology and horticulture of South Africa; 2 weeks. November 2015. (faculty participant with Iowa State Program; 15 students)

Western European Horticulture; Netherlands, Belgium, Luxembourg, and France. 2 weeks. May 2014. (*Organized and Lead faculty*; 15 students)

Horticulture Down Under; Australia. 2 weeks. January 2013. (faculty participant; 7 students)

The Gardens of England and Wales. 2 weeks. May 2011. (faculty participant; 7 students)

International Intern at Royal Van Zanten, Rijsenhout, The Netherlands. 3 months, March-June 2001.

## INTERNATIONAL TRAVEL EXPERIENCE

Australia	Czech Republic	Italy	Poland
Belgium	England	Japan	South Africa
Canada	France	Moldova	Spain
Chile	Germany	Netherlands*	Turkey
China	Greece	Norway	Vietnam
Colombia	Ireland	Peru	Wales

\*resided in country for over a year

### LANGUAGES

**Dutch**: Beginner proficiency in writing, reading, and conversation **Spanish**: Basic proficiency in writing, reading, and conversation

## **OUTREACH EXPERIENCE**

## Kid's Agriculture Field Day; Kansas State University. 2011 and 2012

Assisted in developing horticulture plant related activity stations with department graduate students to engage 4<sup>th</sup> grade students from the Manhattan area schools.

## University Open House; Kansas State University. 2011-current

Assisted the student club organizations in implementing horticulture stations and activities to engage with the greater community from across Kansas.

## Apple Orchard Education Program Coordinator; Cornell University. August to December 2009

Assisted in organizing and conducting tours for local school and community groups for ~1000 individuals, from preschool age to adults at the Cornell Orchards. Conducted tours of the orchard and retail facility, demonstrated cider making, and provided learning activities for individuals.

## Apply Buddy Program Coordinator; Cornell University. 2004, 2006-2009

Coordinated and participated with Cayuga Heights Elementary School (Ithaca, NY) and select children with reading challenges. Students read a book called "The Apple Tree" and would write hand written letters with questions and comments about the book and send to the graduate students, who would respond to their inquiries. At the conclusion of the book, the graduate students would visit the school and have apples and cider with students while doing apple activities.

## History and Production of Apples; Cornell University. Fall 2008

Participated and conducted 10 weekly apple lessons and activities at Enfield Elementary School (Enfield, NY). The 10-week unit consisted of different units such as apple origins, processing, orchard maintenance, and pests and diseases.

## **EXTENSION PRESENTATIONS**

"Landscaping with Bulbs." K-State Turfgrass Conference; Topeka, KS. December 4, 2018. (~60 attendees)

"Landscaping with Bulbs." Master Gardener Training Design and Grow Workshop. Sedgewick County; Wichita, KS. Feb. 10, 2018. (~50 attendees)

"Bulb Trials Research at K-State." Master Gardener Training Design and Grow Workshop. Sedgewick County; Wichita, KS. Feb. 10, 2018. (~50 attendees)

"Bulbs in the Landscape and Containers Workshop." Blueville Nursery. Manhattan, KS. Sept. 21, 2017. (20 attendees)

"Bulbs in the Landscape." Blueville Nursery. Manhattan, KS. Sept. 24, 2016. (15 attendees)

"Bulbs for the landscape." Advanced Master Gardener Training. Manhattan, KS. Oct. 2014. (30 attendees)

"What lies beneath: Bulbs!" Retail Works Presentation. Manhattan KS. Jan. 2014. (50 attendees)

"Bulbs in the Landscape." Advanced Master Gardener Training. Manhattan, KS. Oct. 2013. (35 attendees)

"Water Wise Containers." Garden Talks and Walks; Friends of the KSU Gardens. Apr. 2013. (20 attendees)

"Bulb production in the Netherlands." Riley County Master Gardeners Annual Banquet. Manhattan, KS. Nov. 2011. (30 attendees)

"Plant fall bulbs now...for spring color." Riley County Master Gardeners. Manhattan, KS. Aug. 2011. (20 attendees)

"Underused bulbs for your garden". Broome County (NY) Master Gardeners. Binghamton, NY. Feb. 2010. (15 attendees)

"Greenhouse production of bulbs for cut flowers and containers". Cornell Cooperative Extension. Broome County. Binghamton, NY. Sept. 2009. (15 attendees)

"Challenges in greenhouse production of *Oxalis regnellii*. Cornell Floriculture Field Day. Ithaca, NY July 2009. (75 attendees)

"Bulbs". Broome County (NY) Master Gardeners. Binghamton, NY Apr. 2009. (35 attendees)

"Gardening with Annuals". Master Gardener Training Session for Tioga, Tompkins, and Broome Counties. Binghamton, NY. Oct. 2008. (55 attendees)

## **INVITED PRESENTATIONS**

## International

"Cut Flower Bulbs". Proflora Conference; Bogota, Columbia. Oct. 2015. (~30 attendees).

"Horticulture at Kansas State University." Adkiniz University; Antalya, Turkey. Apr. 2012. (75 attendees)

## National, Regional, Local

"National Lily Trial Research". North American Lily Society Annual Symposium; Des Moines, IA. June 2018. (~30 attendees).

"K-State Bulb Research Trials." Sedgwick County Extension Master Gardener Design and Grow Workshop. Feb. 10, 2018 (~40 attendees)

"Landscaping with Bulbs." Sedgwick County Extension Master Gardener Design and Grow Workshop. Feb. 10, 2018 (~40 attendees)

"A Stinky Attraction; Story of the Flowering Corpse Plant at K-State." Gamma Sigma Delta Fall Reception. Oct. 2017 (~45 attendees)

"Bulb Envy: If You Haven't Got It...You Will." Western Nursery and Landscape Association Trade Show. Jan. 2016 (~50 attendees)

#### Curriculum Vitae

"Containers for Greenhouse Production". High School Agriculture In-Service, sponsored by Hummert International; Dec. 2015. (~30 attendees).

"Bulbs on Display; Things One Can Do to Increase Retail Success for Bulbs" Challenges in Floriculture Conference; Inaugural Annual Shackelford Lecture Series; Oklahoma State University. June 11, 2015 (~100 attendees)

"Why Bulbs are the 51st Shade of Grey." Challenges in Floriculture Conference; Inaugural Annual Shackelford Lecture Series; Oklahoma State University. June 11, 2015 (~100 attendees)

"Summer bulbs in the landscape." Blueville Nurseries Spring Open House. Manhattan, KS. Mar. 2012. (15 attendees)

"Summer bulbs in the landscape." Manhattan Garden Show. Manhattan, KS. Feb. 2012. (40 attendees)

"Other bulbs for the landscape." Flint Hill's Daylily Society. Manhattan, KS. Feb. 2012. (40 attendees)

"Underused bulbs for your garden—other than Iris". Southern Tier Iris Society. Binghamton, NY. Mar. 2010. (15 attendees)

"The traveling tulip...from Asia to your tabletop". Light in Winter—A Festival of Science and the Arts. Ithaca, NY. Jan. 2010. (40 attendees)

"Tulips—The Night Watch of the Garden". Celebration of Rembrandt's 400<sup>th</sup> birthday. Cornell University Johnson Museum. May 2006. (100 attendees)

"A Floriculture Experience in the Netherlands". Department of Horticulture, Cornell University. Apr. 2006. (40 attendees)

"Bulbs of the Netherlands". Longview Assisted Living Center. Ithaca, NY. Feb. 2006. (25 attendees)

"Tip-toeing through the tulips". Cornell Master Gardeners Program. Feb. 2006. (75 attendees)

## **PROFESSIONAL MEETINGS ATTENDED**

 2018 Western Nursery and Landscape Association Conference. Jan. 18-19. Kansas City, MO. North American Colleges and Teachers National Conference. June 29-July 1. Ames, IA. [1 oral; 1 poster presentation]
 Perennial Plant Association. July 24-28. Raleigh, NC. Distance Teaching and Learning Conference; Madison, WI. Aug. 7-9, 2018.

International Conference of Educational Innovation in Agrarian Topics; Lima, Peru. Oct. 17-19, 2018. [1 oral presentation]

2017 Western Nursery and Landscape Association Conference. Jan. 19-20. Kansas City, MO. National Floriculture Forum (NFF). Mar. 17-19. Philadelphia, PA. North American Colleges and Teachers National Conference. June 29-July 1. West Lafayette, IN. [1 oral; 1 poster presentation; award recognition]

Perennial Plant Association. July 24-28. Denver, CO. [award recognition]

- 2016 Western Nursery and Landscape Association Conference. Jan. 21-22. Kansas City, MO. [1 oral presentation] North American Colleges and Teachers National Conference. June 20-24. Honolulu, HI. [1 poster presentation] XII International Flower Bulb and Herbaceous Perennials Symposium. June 27-July 2. Kunming, China. [1 oral presentation; 1 poster presentation]
   Berennial Blant Association – Aug. 2.4. Minneepelie, MN
  - Perennial Plant Association. Aug. 2-4. Minneapolis, MN.
  - American Society for Horticultural Science (ASHS) Annual Conference, Aug. 8-11. Atlanta, GA. [2 poster presentations; 1 co-author on one poster presentation]
- 2015 Western Nursery and Landscape Association Conference. Jan. 4-5. Kansas City, MO. National Floriculture Forum (NFF). Mar. 6-7. Minneapolis, MN. [1 oral presentation] North American Colleges and Teachers National Conference. June 16-20. Athens, GA. [1poster presentation; 2 co-author on two poster presentations] American Society for Horticultural Science (ASHS) Annual Conference, Aug. 3-7. New Orleans, LA. [1 poster presentation; 1 co-author on one poster presentation] Proflora Floriculture Cutflower Tradeshow and Tradeshow Meeting; Asocoflores; Oct. 29-31. Bogata, Columbia. [1 presentation]

#### Curriculum Vitae

- 2014 Western Nursery and Landscape Association Conference. Jan. 5-6. Overland Park, KS. North American Colleges and Teachers National Conference. June 25-28. Bozeman, MT. [1 invited oral presentation; 2 poster presentations; 1 co-author on one poster presentation] American Society for Horticultural Science (ASHS) Annual Conference, July 28-31. Orlando, FL. [1 oral presentation; 1 co-author on one oral presentation; 1 co-author on one poster presentation] 2013 National Floriculture Forum (NFF). Mar. 22-23. Portsmouth, NH. North American Colleges and Teachers National Conference. June 26-29. Blacksburg, VA [2 poster presentations] OFA - An Association of Floriculture Professionals-Short Course and Trade Show. July 13-16. Columbus, OH 2012 National Green Center Show. Jan. 8. Kansas City, MO. American Nursery and Landscape Association Clinic. Jan. 25-28. Louisville, KY. XI International Flower Bulb and Herbaceous Perennials Symposium. Mar. 28-April 1. Antalya, Turkey. [1 oral Presentation; 1 invited lecture] North American Colleges and Teachers National Conference. June 26-29. River Falls, WI. OFA - An Association of Floriculture Professionals—Short Course and Trade Show. July 14-17. Columbus, OH 2011 National Green Center Show. Jan. 9-10. St. Louis, MO. National Floriculture Forum (NFF). Mar. 9-11. Dallas, TX. PLANET Student Career Days. Mar. 16-20. Juliet, IL. Nurseryworks Conference. June 15-16, 2011. Manhattan, KS. OFA – An Association of Floriculture Professionals—Short Course and Trade Show, July 10-12, Columbus, OH. Kansas Nursery and Landscape Association Meeting. July 20-21. Hayesville, KS. Kansas Greenhouse Growers' Association Educational Conference. Oct. 27. Manhattan, KS. [1 invited presentation]. OFA - An Association of Floriculture Professionals-Short Course and Trade Show. July 10-12. Columbus, OH. 2010 North American Flower Bulb Wholesalers Association. Mar. 19-20. Ithaca, NY. Seeley Conference. June 26-29. Ithaca, NY. International Plant Propagators Society Meeting Eastern Region. Sept. 29-Oct.2. Warwick, RI. [2 poster presentations] Northeast Greenhouse Conference and Exposition. Nov. 3-4. Worcester, Massachusetts. 2009 VII International Ethylene Symposium. June 21-25. Ithaca, NY. Seeley Conference. June 28-July 1. Ithaca, NY. OFA – An Association of Floriculture Professionals—Short Course and Trade Show. July 11-14. Columbus, OH. OFA - An Association of Floriculture Professionals. Perennial Production Conference. Sept. 20-22. Buffalo, NY. 2008 North American Flower Bulb Wholesalers Association. Mar. Ithaca, NY X International Flower Bulb and Herbaceous Perennials Symposium. Apr. 20-24. Lisse, Netherlands. [1 poster presentation] American Society for Horticultural Science (ASHS) Annual Conference, July 21-24. Orlando, FL. [1 poster presentation] Seeley Conference. June 21-24. Ithaca, NY. 2007 National Floriculture Forum. Jan. 22-27. Amsterdam, Netherlands and Essen, Germany. American Society for Horticultural Science (ASHS) Annual Conference. July 16-19. Scottsdale, AZ. [1 oral and 1 poster presentation] OFA – An Association of Floriculture Professionals—Short Course and Trade Show. July 14-17. Columbus, OH. Seeley Conference. June 23-26. Ithaca, NY. 2006 North American Flower Bulb Wholesalers Association. Mar. Ithaca, NY OFA - An Association of Floriculture Professionals-Short Course and Trade Show. July 8-11. Columbus, OH. Seeley Conference. June 24-27. Ithaca, NY. 2005 International Plant Propagators Society Eastern Region Meeting. Oct. 3-5. Atlantic City, NJ. [1 poster presentation] 2004 New York State Vegetable Growers Association Meeting. Jan. 15. Rochester, NY. IX International Flower Bulb Symposium. Apr. 2004. Niigata, Japan. [1 oral and 1 poster presentation] OFA – An Association of Floriculture Professionals—Short Course and Trade Show. July 10-12. Columbus, OH. Seeley Conference. June 26-29. Ithaca, NY. North American Flower Bulb Wholesalers Association. March 2004. Ithaca, NY HortiFair. October 2004. Amsterdam, Netherlands. BeNeLux Society for Horticultural Science Symposium. Chains in Horticulture. Nov. 2004. Wageningen, Netherlands.
- Seeley Conference. June 21-24. Ithaca, NY.
   OFA An Association of Floriculture Professionals—Short Course and Trade Show. July 12-16. Columbus, OH.
   American Society for Horticultural Science (ASHS) Annual Conference. Oct. 3-6. Providence, RI.
- 2002 North American Flower Bulb Wholesalers Association. Mar. 2002. Ithaca, NY [1 poster presentation]