

Curriculum Vitae – Shu-Mei Chang

I. BACKGROUND

Address:

Department of Plant Biology
University of Georgia
2502 Plant Sciences Bldg
Athens, GA 30602

Phone: 706-583-8026
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Academic Position

Association Professor, Department of Plant Biology, University of Georgia, Athens, 2008 – present
Assistant Professor, Department of Plant Biology, University of Georgia, Athens.
Courtesy Appointment in the Department of Genetics, University of Georgia
Member, Graduate Faculty, University of Georgia

Honors:

UGA Center for Teaching and Learning Fellow. 2016.
UGA Sandy Beaver Excellence in Teaching. 2011-2012
US National Academies Education Fellow in the Life Sciences. 2010-2011.

Previous Academic Positions

Postdoctoral Researcher, Department of Ecology, Evolution and Behavior, University of Minnesota,
1999 – 2001, Advisor: Ruth Shaw
Post-doctoral Research Associate, Department of Zoology, Duke University, 1997 – 1998, Advisor:
Mark Rausher.
Research and Teaching Assistant, Department of Zoology, Duke University, 1991-1996.
Research Assistant, Mountain Lake Biological Station, University of Virginia, 5/1991 – 8/1991, Advisor:
Henry Wilbur.

Education

Ph.D., 1997, Department of Zoology, Duke University, Durham, North Carolina, USA
M. S., 1989, Department of Zoology, National Taiwan University, Taipei, Taiwan.
B. S., 1987, Department of Zoology, National Taiwan University, Taipei, Taiwan

Professional Societies

Botanical Society of American
Society for the Study of Evolution

II. RESEARCH

Current funding:

US Department of Agriculture: “Toward a cohesive understanding of glyphosate resistance evolution in the common morning glory: the mating system, gene flow, and fitness.” PI: R. Baucom, co PI: S.-M. Chang, 2012-2016, (Total \$500,000; Chang’s portion: \$103,405 for 2013-2016)
US Department of Agriculture: “The influence of genetic constraint, gene flow and ecological fitness on the evolution of herbicide resistance in the crop weed *Ipomoea purpurea*” -- PI: Regina Baucom, co PI: S.-M. Chang. (Total \$500,000; Chang’s portion: \$125,000 for 4 yrs: 2015-2018)

Pending proposal:

National Science Foundation: “*Preproposal – Examining sexual selection in hermaphroditic plants, with an emphasis on post-pollination processes*” PI: S.-M. Chang, coPI: Magdy Alabady. *submitted to National Science Foundation, Jan 2016.*

Grants Finished:

UGA OVPR bridge support for technician salary (\$30,000 Sep 2012-April 2014)

NSF Research Experience for Undergraduate – 6/2014, (\$4,310, 2013)

National Science Foundation, Evolutionary Processes Panel, “Evolutionary and functional analysis of variation in pollen traits for the common morning glory, *Ipomoea purpurea*,” PI: S.-M. Chang. 2007 – 6/2014, \$461,578.

GA-Department of Natural Resources, “Assessing the reproductive investments and strategies among widely disjunct populations of the endangered plant fringed campion (*Silene polypetala*) to refine site-specific population sustainability objectives in the recovery plan,” PI: Chang. 2007-2010. \$13,500. – completed in Dec 2010.

Office of Senior Vice President for Academic Affairs and Provost, University of Georgia, 2008, State of Art Conference: “Weeds of Agricultural Importance: Bridging the Gap Between Evolutionary Ecology and Crop Science.” Organizers: Baucom, Burk, Chang and Vencill, \$18,678,

University of Georgia Research Foundation Faculty Research Grant, “Evolution of separate sexes in flowering plants: an empirical study using wild geraniums as a model system,” 2004-2005, \$6,000.

University of Georgia Research Foundation Faculty Research Grant, “Linking plant-pollinator and plant-herbivore interactions: an experimental study,” 2002-2003, \$8,000

SigmaXi Grant-in-Aid of Research, 1994.

Duke University Graduate School research matching funds. 1994.

Conference Travel Fellowship, Duke University Graduate School, 1994, 1995, and 1996.

Publications:

Manuscripts in review:

Kuester, A., E. Fall, **S.-M. Chang** & R. S. Baucom. Higher selfing rates in herbicide resistant morning glories *Submitted to PNAS, in review.*

Kuester, A., A. Wilson, **S.-M. Chang** & R. S. Baucom. A resurrection experiment finds evidence of both reduced genetic diversity and adaptive evolution in the agricultural weed *Ipomoea purpurea*. *Submitted to Molecular Ecology, in review*

Spigler, R., T. Kostas & **S.-M. Chang**. Increased inbreeding depression in small populations of the native biennial *Sabatia angularis*: an unexpected pattern? *Submitted to Evolution, in review*

Van Etten, M., A. Kuester, **S.-M. Chang** and R. Baucom. Reduced seed viability and reductions in plant size provide evidence for costs of glyphosate resistance in an agricultural weed. *Evolution, in review*

Peer-reviewed publication, ** invited

McCallum, B. F. & **S.-M. Chang. 2016. Pollen competition in style: effects of pollen size on male siring success in the hermaphroditic common morning glory, *Ipomoea purpurea*. *American Journal of Botany*. 2016.

Kuester, A., **S.-M. Chang** & R.S. Baucom. 2015. The geographic mosaic of herbicide resistance evolution in the common morning glory, *Ipomoea purpurea*: Evidence for resistance hotspots and low genetic differentiation across the landscape. *Evolutionary Applications*. 8(8):821-33.

Mason, C. et. al. & **S.-M. Chang**. 2015. Low inbreeding depression and high plasticity under abiotic stress in the common morning glory *Ipomoea purpurea* (*Convolvulaceae*). *Weed Science*. 63(4): 864-876

Van Etten, M.L. & **S.-M. Chang**. 2014. Frequency-dependent pollinator discrimination acts against female plants in the gynodioecious *Geranium maculatum*. *Annals of Botany* 114:1769-1778.

- Van Etten, M. L., A. C. Deen, J. L. Hamrick, and S.-M. Chang. 2014. Mating system contributes only slightly to female maintenance in gynodioecious *Geranium maculatum* (Geraniaceae). *Heredity*. 113: 464-470.
- Losdat, S., S.-M. Chang, J. M. Reid. 2014. Inbreeding depression in male gametic performance. *J. Evolutionary Biology*. 27: 992-1011.
- Kuester, A., B.R. Foltz, G Lor, S.-M. Chang, JL Bennetzen and RS Baucom. 2012. Development and characterization of simple sequence repeat loci for the common morning glory, *Ipomoea purpurea* (Convolvulaceae). *Molecular Ecology Resources* 13(2): 341-343.
- Chang, S.-M., E. Gonzales, E. Pardini and JL Hamrick. 2011. Encounters of the old foes on the new battleground for an invasive tree, *Albizia julibrissin* Durazz (Fabaceae). *Biological Invasions*. *Biological Invasions* 13:1043-1053
- Baucom R. S., S.-M. Chang, J.M. Kniskern, M.D. Rausher, and J.R. Stinchcombe. 2011. Morning glory as a powerful model in ecological genomics: tracing adaptation through both natural and artificial selection. *Heredity* 107(5): 377-385.
- Spigler, R., J. L. Hamrick, and S.-M. Chang. 2010. Increased inbreeding but not homozygosity in small populations of *Sabatia angularis* (Gentianaceae). *Plant Systematics and Evolution* 284: 131-140.
- **Van Etten, M. L. and S.-M. Chang. 2009. Effects of environmental heterogeneity on the distribution of genders within and among populations in a gynodioecious species, *Geranium maculatum*. *New Phytologist* 183: 649-660.
- Spigler, R. and S.-M. Chang. 2009, Pollen limitation and reproduction varies with population size in experimental populations of *Sabatia angularis* (Gentianaceae). *Botany* 87: 330-338.
- Armstrong, N.A., C. S. Wallace and S.-M. Chang. 2008. Learning from Writing Scientific Arguments in College Biology. *Journal of Research in Science Education* 38:483-499.
- Baucom, R. S., R. Mauricio and S.-M. Chang. 2008 Glyphosate induces transient male sterility in *Ipomoea purpurea*. *Botany* 86: 587-594.
- Gonzales, E., J. L. Hamrick and S.-M. Chang. 2008. Identification of glacial refugia in south-eastern North America by phylogeographical analyses of a forest understory plant, *Trillium cuneatum*. *Journal of Biogeography*. 35:844-852.
- Spigler, R. and S.-M. Chang. 2008. Effects of plant abundance on reproductive success in the widespread, native biennial *Sabatia angularis* (Gentianaceae): spatial scale matters. *J. of Ecology*.96:323-333.
- Van Etten, M. L., L. B. Prevost, A. C. Deen*, B. V. Ortiz, L. A. Donovan and S.-M. Chang. 2008. Gender differences in reproductive and physiological traits in a gynodioecious species, *Geranium maculatum* (Geraniaceae). *International Journal of Plant Sciences*.169: 271-279
- Chang, S.-M. 2007. Gender specific inbreeding depression in a gynodioecious plant, *Geranium maculatum* (Geraniaceae). *American Journal of Botany* 94:1193-1204.
- Armstrong, N.A. and S.-M. Chang. 2007. Location, Location, Location: Does seat location affect achievement in very large classes? *Journal of College Science Teaching*. 37(2): 54-58
- Armstrong, N.A., S.-M. Chang and P. Brickman. 2007. Cooperative learning in industrial sized biology classes. *CBE Life Science Education*. 6: 163-171.
- Young, A.R., Chang, S.-M. and R. R. Sharitz. 2007. Reproductive ecology of a federally endangered legume, *Baptisia arachnifera*, and its more widespread congener, *Baptisia lanceolata* (Fabaceae). *American Journal of Botany*. 94(2): 228-237.

- Chang, S.-M. 2006. Female compensation through the quantity and quality of progeny in a gynodioecious plant, *Geranium maculatum*. *American Journal of Botany* 93: 263-270
- Shaw, R. G. and S.-M. Chang. 2006. Gene action of new mutations in *Arabidopsis thaliana*. *Genetics* 172: 1855-1865
- Chang, S.-M., V. Lu and M. D. Rausher. 2005. Neutral Evolution of the Non-binding Region of the Anthocyanin Regulatory Gene *Ipmyb1* in *Ipomoea*. *Genetics* 170: 1967-1978
- Chang, S.-M. and R. Shaw. 2003. The contribution of spontaneous mutation to variation in environmental response in *Arabidopsis thaliana*: Responses to nutrients. *Evolution* 57:984-994.
- Chang, S.-M. and M. D. Rausher. 1999. The role of inbreeding depression in maintaining a mixed mating system in the common morning glory, *Ipomoea purpurea*. *Evolution* 53(5): 1366-1376.
- Rausher, M.D. and S.-M. Chang. 1999. Stabilization of mixed-mating systems by differences in the magnitude of inbreeding depression for male and female fitness components. *American Naturalist* 155: 242-248.
- Chang, S.-M. and M. D. Rausher. 1998. Frequency-dependent pollen discounting contributes to the maintenance of a mixed mating system in the common morning glory, *Ipomoea purpurea*. *American Naturalist* 152(5): 671-683.

Professional Activities:

Workshop attended:

- Summer Institute for Undergraduate Education in Biology— Sponsored by the National Academies and the Howard Hughes Medical Institute. 6/14-6/20/2010
- Teaching Interdisciplinary Science for Early Childhood Education Majors in the University System of Georgia Where did we come from? Where are we now? Where are we going? – a workshop for ISCI instructors, held on 3/27/2009 at Georgia Perimeter College, Newton Campus, Covington, GA

Conference organized:

- State of Art Conference. 2008. “Weeds of Agricultural Importance: Bridging the Gap between Evolutionary Ecology and Crop Science.” Co-organizer: Baucom, Burke, Chang and Vencill. Sep 2008, University of Georgia, Athens, GA.

Invited Seminars:

- 2015 **Keynote Speaker** at the conference “International Symposium on Inter-Disciplinary Experiences for Applications of Biological Sciences” Taichung, Taiwan – July 2015
Title: “What can weeds tell us about nature-imposed and human-imposed selections?”
- 2015 Symposium on Biomathematics & Ecology: Education & Research (B.E.E.R.), Illinois State University, Normal, IL Oct 9-11 2015
”Association between gynodioecy and arbuscular mycorrhizal fungi community: Testing the sex-differential plasticity hypothesis”
- 2015 Seminar at the School of Biological Sciences, Illinois State University, Normal, IL 10/8/2015.
“Pollen competition in style: is bigger always better?”
- 2014 University of Lille, Lille, France – Dec 2014
“Maintenance of gynodioecy in the wild geranium, *Geranium maculatum*”
- 2014 Plant-Pollinator interaction conference – British Ecological Society Meeting Dec 2014
“Pollen competition in style: is bigger always better?”
- 2014 Temple University - “Pollen competition in style: is bigger always better?”
- 2012 School of Biological Sciences, University of Hong Kong, Hong Kong, China

- “Maintenance of females in the wild geranium, *Geranium maculatum*: ecology and genetics”
- 2011 Department of Natural Resources and Environment, Dong-Hua University, HuaLien, Taiwan
“Maintenance of separate sexes in the wild geranium, *Geranium maculatum*, what’s a girl got to do to stay competitive?”
- 2010 Department of Genetics, UGA
“Maintenance of females in the wild geranium, *Geranium maculatum*”
- 2009 Southeastern Louisiana University
“Maintenance of females in the wild geranium, *Geranium maculatum*”
- 2008 UGA SOA conference “Weeds of Agricultural Importance: Bridging the Gap between Evolutionary Ecology and Crop Science.”
- 2008 Academia Sinica of Taiwan, Taipei, Taiwan
“PIRE: studying invasive species exchanged between China, Taiwan and North America”
- 2008 University of Houston, Department of Biology and Biochemistry
“Ecological factors contributing to the maintenance of females in the wild geranium, *Geranium maculatum*”
- 2007 Symposium at the Annual Meetings of the Botanical Society of America, Chicago, IL.
“Evolution and Maintenance of Plant Mixed Mating System”
- 2006 College of Charleston, Department of Biology
- 2004 University of Georgia, Institute of Ecology
- 2001 University of Georgia, Department of Genetics
- 2000 University of Georgia, Department of Botany
- 2000 University of California at Davis, Department of Evolution and Ecology

Other Presentations (presenting author with *)

- Chang, S.-M. 2014. Talk - “Pollen competition in style: Is bigger always better?” July 2014, Botanical Society of American annual meeting, Boise, ID
- Chang, S.-M. 2014. Talk – “Pollen competition in style: Is bigger always better?” June 2014, Evolution annual meeting, Raleigh, NC
- Christopher*, D. & S.-M. Chang. 2014, Poster - “Patterns of selection on floral traits important for male fitness in the gynodioecious *Geranium maculatum*” June 2014. Evolution annual meeting, Raleigh, NC
- Putney*, K. & S.-M. Chang. 2014. Poster - “Variation of the plant-mycorrhizal interaction in a gynodioecious plant species”, June 2014, Evolution annual meeting, Raleigh, NC
- Donovan*, L., S.-M. Chang & K. Bettinger. 2014, Talk - “Testing traits associated with low nutrient adaptation in *Helianthus*”, June 2014 Evolution annual meeting, Raleigh, NC
- Kuester*, A., S.-M. Chang & R. Baucom. 2014, Talk - “The effect of herbicide resistance on mating system in the common morning glory, *Ipomoea purpurea*”, Evolution annual meeting, Raleigh, NC
- Chang, S.-M. 2013. “Functional significance of pollen size variation in the common morning glory, *Ipomoea purpurea*” June 2013, Evolution annual meeting, Snowbird, UT
- Staton*, L.G.C.; Hepinstall-Cymerman, Jeffrey; Chang, Shu-Mei. 2013. Poster – “Using ecological niche models to understand the distribution of threatened and endangered plant species in the southeastern United States. June 2013, Evolution annual meeting, Snowbird, UT
- Chang, S.-M. 2012. “Correlated responses to selection on pollen size in the common morning glory, *Ipomoea purpurea*.” July 2012, Evolution annual meeting, Ottawa, Canada

- Carter, L.* and S.-M. Chang 2012. Poster – “Geographical Range Limits and Local Adaptation in *Polygonella*.” Southeastern Population Ecology & Evolutionary Genetics Meeting (SEPEEG 10/12/2012)
- Prelgovisk, B.* and S.-M. Chang. 2012. “Sexual variation in association between a gynodioecious plant, *Geranium maculatum*, and arbuscular mycorrhizal fungi.” 10/12/2012. SEPEEG.
- Chang, S.-M. 2011. “Genetic variation in pollen grain size in the tall morning glory, *Ipomoea purpurea*.” June 2011, Evolution annual meeting, Oklahoma City, OK.
- Carter*, L. and S.-M. Chang 2011. Developing an ecological niche model for threatened species in the plant genus, *Polygonella*. 10/22/2011. Southeastern Population Ecology & Evolutionary Genetics Meeting (SEPEEG 2011).
- Prelgovisk*, B. and S.-M. Chang. 2011. Factors affecting the association between Arbuscular Mycorrhizal fungi and a gynodioecious plant, *Geranium maculatum*: Season, plant sex and local adaptation. 10/22/2011. SEPEEG 2011
- Chang, S.-M.* & B. Foutch. 2010. “Direct and correlated responses to selection on pollen size in the tall morning glory, *Ipomoea purpurea*.” June 2010, Evolution meeting, Portland, OR.
- Deen, C.*. & S.-M. Chang. 2010. The role of pollinators in the maintenance of a floral color polymorphism in *Geranium maculatum*. June 2010, Evolution meeting, Portland, OR.
- Chang, S.-M.* 2008. Oral presentation, UGA SOA conference “Weeds of Agricultural Importance: Bridging the Gap between Evolutionary Ecology and Crop Science.”. “Reproductive ecology of the weedy tall morning glory, *Ipomoea purpurea*.” Sep. 2008. Athens, GA.
- Deen*, C. and S.-M. Chang. 2008. Poster. The role of pollinators in the maintenance of a floral color polymorphism in *Geranium maculatum*. SEPEEG Conference, 10/25/08 Eatonton, GA.
- Van Etten, M. L. and S.-M. Chang*. 2008. Poster. The effect of population sex ratio on male and female fitness in the gynodioecious geranium, *Geranium maculatum* (oral presentation). SouthEastern Population Ecology and Evolutionary Genetics (SEPEEG) conference. Eatonton, GA. Oct. 2008.
- Van Etten*, M. L. and S.-M. Chang. 2008. Oral presentation. The effect of population sex ratio on male and female fitness in the gynodioecious geranium, *Geranium maculatum*. Ecological Society of America (Milwaukee, WI).
- Van Etten*, M. L. and S.-M. Chang. 2008. Poster. The effect of population sex ratio on male and female fitness in the gynodioecious geranium, *Geranium maculatum*. The Ecology and Evolution of Plant Pollinator Interactions Conference (Milwaukee, WI).
- Rachel Spigler and S.-M. Chang. 2007. Oral presentation, Ecological Society of America annual meeting. Aug. 2007. Chico, CA.
- Megan Van Etten and S.-M. Chang. 2007. Poster presentation, Ecological Society of America annual meeting. Aug. 2007. Chico, CA. “The effect of females on the genetic diversity and population structure in a gynodioecious species, *Geranium maculatum*.”
- Rachel Spigler and S.-M. Chang. 2006. Poster presentation, Society for the Study of Evolution, June, 2006. Stony Brook, NY. “Reproductive consequences of low population size in natural populations of the native biennial *Sabatia angularis* (Gentianaceae)”
- Megan Van Etten and S.-M. Chang. 2006. Poster presentation, SEEPAGE- South-East Ecology, Population Genetics and Evolution Meeting, Sep. 2006, Greensborough, NC. “Fine scale genetic structure of a gynodioecious species, *Geranium maculatum*”
- Chang, S.-M. 2005. Oral presentation, Society for the Study of Evolution, June, 2005, Fairbanks, AK. “Inbreeding depression contributes to the maintenance of female plants in the wild geranium, *Geranium maculatum*, a gynodioecious species.”

- Chang, S.-M. 2005. Talk, SEEPAGE- South-East Ecology, Population Genetics and Evolution Meeting, Sep. 2005, Hendersonville, NC. "Inbreeding depression contributes to the maintenance of female plants in the wild geranium, *Geranium maculatum*, a gynodioecious species."
- Eva Gonzales, S-M Chang and JH Hamrick. 2005. Oral presentation, Society for the Study of Evolution, Fairbanks, AK, "Identification of glacial refugia by phylogeographic analyses of a forest understory species, *Trillium cuneatum*"
- Rachel Spigler and S.-M. Chang. 2005. Poster presentation, SEEPAGE- South-East Ecology, Population Genetics and Evolution Meeting, Sep. 2005, Hendersonville, NC. "An investigation of reproduction Allee effects in natural populations of the native biennial *Sabatia angularis* (Gentianaceae)."
- Rachel Spigler and S.-M. Chang. 2005. Poster presentation, Southeastern Ecology and Evolution Conference (SEEC), March, 2005. "Reproductive consequences of low population size in natural populations of the native biennial *Sabatia angularis* (Gentianaceae)"
- Chang, S.-M. 2004. Oral presentation, Society for the Study of Evolution, June, 2004, Fort Collins, CO. "Maintenance of female plants in the wild geranium, *Geranium maculatum*, a gynodioecious species."
- Chang, S.-M. 2003. Poster presentation, Society for the Study of Evolution, 2003, Chico, CA. "Effects of leaf damage on the reproductive traits in the common morning glory *Ipomoea purpurea*."
- Chang, S.-M. 2000. Poster presentation, Society for the Study of Evolution, 2000, Bloomington, Indiana. "Environmental dependence of spontaneous mutational effects on quantitative traits in *Arabidopsis thaliana*."
- Chang, S.-M. 1998. Oral presentation, Society for the Study of Evolution, 1998, Vancouver, Canada. "The influence of flower number and herkogamy on the mating system of the common morning glory, *Ipomoea purpurea*."
- Chang, S.-M. 1997. Oral presentation, Southeastern Population Ecology and Genetics Annual meeting, Townsend, TN. "The effects of herkogamy and daily flower production on the mating-system parameters of the common morning glory, *Ipomoea purpurea*."
- Chang, S.-M. 1996. Oral presentation, Society for the Study of Evolution, Saint Louis, Missouri. "Maintenance of variability in anther-stigma separation in the common morning glory, *Ipomoea purpurea*."
- Chang, S.-M. 1995. Oral presentation, Society for the Study of Evolution, Montreal, Quebec, Canada. "Role of inbreeding depression in maintaining the variability of anther-stigma distance in common morning glories"
- Chang, S.-M. 1994. Poster presentation, Society for the Study of Evolution, Athens, Georgia. "The evolution of anther-stigma distance in *Ipomoea purpurea*: the role of transmission biases due to variation in selfing rates."

III. TEACHING

Courses taught:

Lecture courses:

Flowers (PBIO4270/3270; spring 2003, 2005, 2008, fall 2009, 2011, spring 2013, 2015, 2016)
 Plant Reproductive Ecology & Lab (PBIO8120/PBIO8890; fall 2003, 2005, 2007, 2013, 2015)
 Plant Sciences for Middle School Teachers (PBIO2010; co-taught, fall 2012-2014)
 Life and Earth Science (PBIO/ISCI 2001/2001L; co-taught, spring 2009-2011)

Seminar courses:

First-Year Seminar (FRES 1010; spring 2004)
 First Year Odyssey seminar (FYOS 1001; fall 2014, 2015)
 Ecology and Evolution of Plant Reproductive Biology (PBIO8700; fall 2002, 2004, 2006, 2010)

Special topics on Plant Reproductive Ecology (PBIO8980; fall 2005)

Training Record:

Graduate advisees:

Mr. Greg Evans (current Ph.D. student)
Ms. Dorothy Christopher (current Ph.D. student)
Ms. Katie Putney (current Ph.D. student)
Dr. Louisa C. Staton (Ph.D., 2014)
Ms. Britnie McCallum (M.S., 2013)
Mr. Bryan Pregovisk (M.S., 2013)
Dr. Megan Van Etten (Ph.D., 2009)
Dr. Rachel Spigler (Ph.D., 2007)

Visiting Postdocs:

Dr. ShuPing Ning (South China Botanical Garden) 6/2009-12/2009
Dr. Adam Kuester (University of Michigan) 6/2013-9/2013

Undergraduate Student Research Advisor: 21 students since 2002

IV. SERVICES

Conference co-organizer:

State of Art Conference. 2008. "Weeds of Agricultural Importance: Bridging the Gap between Evolutionary Ecology and Crop Science." Co-organizer: Baucom, Burke, Chang and Vencill. Sep 2008, University of Georgia, Athens, GA.
BSA 2016 Symposium "Studying plant pollinator interactions in changing environments: approaches, lessons and future directions" Co-organizer: Diane Byers and Shu-Mei Chang, Savannah, GA. July 2016.

NSF Review Panels:

NSF Spring Panel (2008), NSF Spring preproposal Panel (2016)

Ad hoc Proposal reviewer:

Natural Environmental Research Council (NERC), UK (2014), ARS research project plan review for USDA (2014), National Science Foundation proposals (24 total), Louisiana Board of Regents' Research Competitiveness Program (2013), GWIS (2013), Sigma Delta Epsilon/Graduate Women in Science (2007), Ohio State University, Seed Grant Program proposals (2008)

Ad hoc Journal Reviewer:

American Journal of Botany, American Journal of Botany, American Naturalist, Annals of Botany, Brazilian Journal of Botany, Canadian Journal of Botany, Ecology, Evolution, Evolution and Systematics, Evolutionary Ecology, G3, Genetics, Genetics of Adaptation (Book), Heredity, International Journal of Plant Sciences, J. Heredity, Journal of Agricultural Science, Journal of Arid Environment, Journal of Plant Ecology, Natural Areas Journal, New Phytologist, Nordic journal of Botany, Oecologia, Peer J, Perspectives in Plant Ecology, Plant Biology, Plant Systematics and Evolution, The Philippine Agricultural Scientist

Departmental and Campus Service

Member of Graduate Study Committee (since 2014)
Chair of Greenhouse Committee (since 2010)
Greenhouse tour for recruitment weekend (since 2002)
Member of Plant Biology Executive Committee (2010-2014)

External member of a search committee for a faculty position in Department of Cell Biology, Search Committee for Plant Bio Department Head & Ad hoc Faculty Peer Teaching Evaluation (2013)
Member of Award Committee for Franklin College (2012)
Judges for various Graduate Student or Plant Center Retreat Symposium (2010-2011, 2015)
Ad hoc Peer Teaching Evaluation, Greenhouse tour, Plant Biology Executive Committee (multiple years, since 2008)
Panelist in “Career in Science Panel” discussion organized by the UGA Career Center for the UGA undergraduate community. (2007)
Search committee for the Ecological Genetics position in Genetics Department (2006)
Search committee for the Theoretical and Evolutionary biology position in Genetics Department (2005)