

Noland H. Martin, Ph.D.
Texas State University - San Marcos
601 University Drive
San Marcos, TX 78666

I. Academic/Professional Background

A. Name: NOLAND H. MARTIN, Ph.D.

Title: Associate Professor

B. Educational Background

<u>Degree</u>	<u>Year</u>	<u>University</u>	<u>Major</u>
Ph.D.	2004	Duke University	Biology
Dissertation title: <i>Evolution, Genetics, and Maintenance of Reproductive Isolation in Mimulus guttatus and Mimulus nasutus.</i>			
M.S.	2000	University of Oregon	Biology
B.S.	1996	University of Texas, Austin	Biology

C. University Experience

Associate Professor	Texas State University	2013 - present
Assistant Professor,	Texas State University	2006-2013
Postdoctoral Researcher,	University of Georgia	2004-2006
Teaching Assistant,	Duke University	2000-2004
Teaching Assistant,	University of Oregon	1997-2000

D. Relevant Professional Experience

Analytical Consultant	Milwaukee Public Museum	2003-2004
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II. TEACHING

A. Courses Taught

BIO 2410, Introduction to General Botany, Spring 2007, 2008, Fall 2011
BIO 2450, Genetics, Fall 2007, 2008, 2010, Spring 2009 - 2013
BIO 4301, Evolution, Spring 2009, Summer 2010, Fall 2012, Fall 2013
BIO 7120, Population Biology Seminar: Natural Hybridization, Spring 2007
BIO 7427, Population Biology (Quantitative Genetics Module), Fall 2007 - 2014
BIO 4299, Undergraduate Research, Spring 2007 – present

B. Undergraduate Researchers Mentored

- Bobby J. Cast - (Strandtmann Field Biology Award), Spring 2007
- Benjamin D. Rickman , Spring 2007
- Scott R. Sandilos, Spring 2007
- Katherine Cummings, Summer 2007
- James May, Fall 2007
- Heath Goins, Fall 2007 – Fall 2008
- Mary Dobson (Francis Rose Undergraduate Grant Recipient), Fall 2007 – Fall 2008
- Rees Willard, Fall 2008 - 2010
- Charlene Farias, Fall 2009 – Spring 2010
- Mark Foster, Fall 2009 – Spring 2010
- Loren Kempf, Fall 2009 – Spring 2010
- Mark Ramirez , Summer 2009 – Fall 2009
- Shelter Anyama, Summer 2009 – Fall 2009
- Courtney Carr, Summer 2009 – Fall 2009

- Josh Matlock, Summer 2009 – Fall 2009
- Luis Rojas, Fall 2009 – 2010
- Sulap Khatwada, Summer 2011 - 2012
- Kendall AuBuchon, 2010 – 2013
- Alex Carr, 2012
- Alexander Zalmat 2013 - 2015
- Marie McCarthy 2013 – 2014
- Emily Spence, 2015 – present
- Abdo Zeinoun 2015 – present
- Travis Eaton 2015 – present

C. Courses Prepared

Bio 2450, Genetics

Bio 4301, Evolution

Bio 4319 Biological Resources: Conservation and Planning

Bio 4120, Population Biology Seminar: Natural Hybridization

Bio 4350O, Tropical Ecology and Conservation

Bio 7427, Population Biology (Quantitative Genetics Module)

D. Graduate / Postdoctoral Theses/Dissertations or Exit Committees

Graduate Student Advisor:

1. V. Alex Sotola (beginning 2016) - PhD
2. Zalmat, Alexander (2015 – Present)
3. Joy Sung (2012– Present) M.S.
4. Shengwei Ho (2010 – 2013) – M.S.
 - Thesis Title: *An interspecific linkage map of Iris fulva and Iris nelsonii*.
5. Sunni Taylor (2008 – 2012) – Ph.D.
 - Dissertation Title: *Homoploid hybrid speciation in Louisiana Iris*.
6. Josh Shaw (2008 – 2010) – M.S.
7. Mary Dobson (2008 – 2010) – M.S.
 - Thesis Title: *Hybrids and Herbivory: Genetic Patterns of Tolerance in Hybrids*.
8. Sunni Taylor (2006 – 2008) – M.S.
 - Thesis Title: *Genetic Architecture of Hybrid Fitness in the Louisiana Iris Species Complex*.

Graduate Student Committee Member (Texas State University – San Marcos):

1. Amanda Driscoe (MS 2015 – present – Dr. Ott)
2. Kate Bell (Ph.D. 2012-Present – Dr. Nice)
3. Lauren Lucas (Ph.D. – 2012 – Present – Dr. Nice)
4. Richard Nuckels (Ph.D. – 2011 – Present – Dr. Garcia)
5. Heather Merckel (2012 – Present – Dr. Schwinning)
6. Kate Bell (2010 – 2012 – Dr. Nice)
 - *Sympatric, allochronic populations of the Pine White butterfly Neophasia menapia are morphologically and genetically differentiated.*
7. Nihar Adhikary (2009 – 2011 – Dr. McLean)
 - Thesis title: *Long Term Competition in Escherichia coli and Pseudomonas aeruginosa Co-Culture.*
8. Michael Vandewege (2009 – 2011 – Dr. Forstner)
 - Thesis title: *Using Pedigree Reconstruction to Test Head-Starting Efficiency for Endangered Amphibians: Field Tested in the Houston Toad (Bufo houstonensis).*

9. Jacqueline Ma (2009 – 2011 – Dr. Gabor)
 - Thesis title: *Proximate and Ultimate Perspectives on Sperm Production and Mating Behavior in a Bisexual-Unisexual Mating System Between Sailfin (Poecilia latipinna) and Atlantic (P. mexicana) Mollies with Clonal Amazon Mollies (P. formosa).*
10. Michelle Downey (2008 – 2010 – Dr. Nice)
 - Thesis title: *Experimental and Population Genetic Evidence of Host Race Formation in a Specialized Lycaenid Butterfly.*
11. Cristina Campbell (2008 – 2010 – Dr. Ott)
 - Thesis title: *Hypersensitive Response in Live Oak: Characterization and Efficacy Against a Host Specific Gall-Forming Wasp.*
12. Celeste Espinedo (2006 – 2008 – Dr. Gabor)
 - Thesis title: *The Degree of Reproductive Isolation in Gambusia affinis and Gambusia geiseri.*
13. Joe Angermeier (2007 – 2009 – Dr. Lemke)

Outside Ph.D. Committee Member:

1. Elizabeth Milano (2010 – 2015)- University of Texas, Austin (Dr. Juenger) Dissertation title: *Population Structure and Genetic Analysis of the Ipomopsis aggregata ssp. candida and ssp. collina Hybrid Zone.*

Postdoctoral Advisor

1. Dr. Amanda Brothers, Indiana University (2010 – 2012)
2. Dr. Evangeline Ballerini, Harvard University (2010 – 2012)
3. Dr. Sunni Taylor (2012 – 2015)

III. SCHOLARLY/CREATIVE

A. Works In Print (A number of works are “in preparation” and are not listed).

- This font color represents “layperson” publications – not peer reviewed.

‡Graduate student co-author, *Undergraduate student co-author, ¥Postdoctoral co-author

1. ‡Shaw, J.P., ‡S.J. Taylor, ‡S. Ho, ‡M.C. Dobson, and **N.H. Martin**. 201X. Mechanical pollinator isolation in Louisiana iris: legitimacy and pollen transfer. **Journal of Evolutionary Biology** “Submitted, in revision”.
2. ¥Ballerini, E.A., K. Mockaitis, J.G. Barb, ¥A.N. Brothers, S.J. Knapp, N.H. Martin, M.L. Arnold. 201X. Comparative mapping reveals different patterns of transmission ratio distortion in crosses of *Iris fulva* to *Iris brevicaulis* versus *Iris hexagona*. **Am. J. Bot.** “Submitted, in revision”.
3. Arnold, M.L., ¥A.N. Brothers, J.A.P. Hamlin, ‡S.J. Taylor, and **N.H. Martin**. 2015. Divergence With Gene Flow: What Humans and Other Animals Got Up To in Reticulate Evolution: Symbiosis, Lateral Gene Transfer, Hybridization, and Infectious Heredity, **Interdisciplinary Evolution Research** 3: 255-296.
4. Martin, N.H. and S.J. Taylor. 2013. Floral preference, flower constancy, and pollen transfer efficiency of the ruby-throated hummingbird (*Archilochus colubris*) in mixed arrays of *Iris nelsonii* and *Iris fulva*. **Evolutionary Ecology Research** 15: 783-792. (Featured on cover).
5. ‡Taylor, S.J., *L.D. Rojas, ‡S.W. Ho, **N.H. Martin**, 2013. Genomic collinearity and the genetic architecture of floral differences between the homoploid hybrid species *Iris nelsonii* and one of its progenitors, *Iris hexagona*. **Heredity** 110: 63-70.
6. Benedict, B.G. Modliszewski, J.L., A.L. Sweigart, **N.H. Martin**, and J.H. Willis. 2012. *Mimulus sookensis* (Phrymaceae), a new allotetraploid species derived from *Mimulus guttatus* and *Mimulus nasutus*. **Madroño** 59: 29-43.
7. ¥Ballerini, E.A., ¥A.N. Brothers, S. Tang, S.J. Knapp, A. Bouck, ‡S.J. Taylor, M.L. Arnold and **N.H. Martin**. 2012. QTL mapping reveals the genetic architecture of loci affecting pre- and post-zygotic isolating barriers in Louisiana Iris. **BMC Plant Biology** 12: 91.

8. ‡Taylor, S.J., K.J. *AuBuchon, and **N.H. Martin**. 2012. Identification of floral visitors of *Iris nelsonii*. **Southeastern Naturalist**: **11**: 141-144.
9. ‡Dobson, M.C., ‡S.J. Taylor, M.L. Arnold and **N.H. Martin**. 2011. Patterns of herbivory and fungal infection in experimental Louisiana Iris hybrids. **Evolutionary Ecology Research** **13**: 543-552. (Featured on cover).
10. ‡Taylor, S.J., *R.W. Willard, ‡J.P. Shaw, ‡M.C. Dobson, and **N.H. Martin**. 2011. Differential response of the homoploid hybrid species *Iris nelsonii* (Iridaceae) and its progenitors to abiotic habitat conditions. **American Journal of Botany** **98**: 1309-1316.
11. **Martin N.H.** 2011. A scientist's perspective on national funding for science. **Irises: The Bulletin of the American Iris Society** **92**: 17-23.
12. **Martin, N.H.** and J.H. Willis. 2010. Geographic variation in postzygotic isolation and its genetic basis within and between two *Mimulus* species. **Philosophical Transactions of the Royal Society B: Biological Sciences** **365**: 2469-2478.
13. Tang, S., R.A. Okashah, S.J. Knapp, M.L. Arnold, and **N.H. Martin**. 2010. Reproductive isolation in Louisiana Irises: transmission ratio distortion. **BMC Plant Biology** **10**: 48.
14. **Martin, N.H.** 2010. A scientist reports again. **Irises: The Bulletin of the American Iris Society** **91**: 17-18.
15. Arnold, M.L. and **N.H. Martin**. 2010. Hybrid fitness across time and habitats. **Trends in Ecology and Evolution** **25**: 530-536. (Invited Review - Featured on cover).
16. Arnold, M.L., S. Tang, S.J. Knapp and **N.H. Martin**. 2010. Asymmetric introgressive hybridization among Louisiana Iris species. **Genes** **1**: 9-22.
17. Arnold, M.L. and **N.H. Martin**. 2009. Adaptation by introgression. **Journal of Biology** **8**: 82.
18. **Martin, N.H.** 2009. A scientist reports again: SLI support enables field work. **Fleur de Lis** **217**: 5-7.
19. ‡Taylor, S.J., M.L. Arnold, and **N.H. Martin**. 2009. Genetic architecture of reproductive isolation in Louisiana Irises: hybrid fitness in nature. **Evolution** **63**: 2581-2594. (Featured on cover).
20. DeVries, P. J., G.T. Austin, and **N.H. Martin**. 2009. Estimating species diversity in a guild of Neotropical skippers (Lepidoptera: HesperIIDae) with artificial lures is a sampling problem. **Insect Conservation and Diversity** **2**: 1-10.
21. **Martin, N.H.** 2008. Scientist meets Louisiana Irises... love grows after rough introduction. **Fleur de Lis** **211**: 9-11.
22. Arnold, M.L., S. Cornman, and **N.H. Martin**. 2008. Genetic exchange and the origin of adaptations – Prokaryotes to primates. **Philosophical Transactions of the Royal Society B: Biological Sciences** **363**: 2813-2820.
23. **Martin, N.H.**, Y. Sapir, and M.L. Arnold. 2008. The genetic architecture of reproductive isolation in Louisiana Irises: pollination syndromes and pollinator preferences. **Evolution** **62**: 740-752. (Featured on cover).
24. A.L. Sweigart, **N.H. Martin**, and J.H. Willis, 2008. Hybrid origin of a new *Mimulus* species. **Molecular Ecology** **17**: 2089-2100. ("Perspective" written about this work in same journal – "Co-first author").
25. P.J. DeVries, G.T. Austin, and **N.H. Martin**. 2008. Patterns of diversity and temporal activity in a mega-diverse community of rainforest skipper butterflies. **Biological Journal of the Linnean Society** **94**: 723-736.
26. Arnold M.L., R.S. Cornman and **N.H. Martin** 2008. Hybridization, hybrid fitness and the evolution of adaptations. **Plant Biosystems** **142**: 166-171.
27. **Martin, N.H.**, A.C. Bouck, and M.L. Arnold. 2007. The genetic architecture of reproductive isolation in Louisiana Irises: Flowering Phenology. **Genetics** **175**: 1803-1812.
28. **Martin, N.H.** and J.H. Willis. 2007. Ecological divergence associated with mating system causes nearly complete reproductive isolation between sympatric *Mimulus* species. **Evolution** **61**: 68-82.

29. **Martin, N.H.**, A.C. Bouck, and M.L. Arnold. 2006. Detecting adaptive trait introgression between *Iris fulva* and *Iris brevicaulis* in highly-selective field conditions. *Genetics* **172**: 2481-2489.
30. **Martin, N.H.**, A.C. Bouck, and M.L. Arnold. 2005. Loci affecting long-term hybrid survivability in Louisiana Irises: implications for reproductive isolation and introgression. *Evolution* **59**: 2116-2124.
31. **Martin, N.H.** 2004. Flower size preferences of the honeybee (*Apis mellifera*) foraging on *Mimulus guttatus* (Scrophulariaceae). *Evolutionary Ecology Research* **6**: 777-782.

B. Reports

Ellerbe Creek Watershed Plan, 2003 - www.ellerbecreek.org/watershed-plan-intro.htm

C. SCIENTIFIC PRESENTATIONS AT INTERNATIONAL MEETINGS:

* GRADUATE / UNDERGRADUATE IN MARTIN LAB

- The genomic architecture of reproductive isolation in a Louisiana Iris hybrid zone.* J. Sung and N.H. Martin. Ecological Genetics Symposium. Kansas State University. Manhattan, KS. December 2014.
- Hybrid speciation in Louisiana Iris.* (poster) N.H. Martin and S.J. Taylor. Evolution conference. Logan, Utah 21-25 June 2013.
- Mechanical pollinator isolation in Louisiana Iris: legitimacy and pollen transfer.* (poster) *Ho, S., N.H. Martin. Ecological Society of America conference. Austin, TX. August 2011.
- Homoploid hybrid speciation in Louisiana Iris.* (poster) *Taylor, S.J. and N.H. Martin. Ecological Society of America conference. Austin, TX. August 2011.
- Homoploid hybrid speciation in Louisiana Iris* (poster) *Taylor, S.J., and N.H. Martin. International Botanical Congress, Melbourne, Victoria. July 2011.
- Homoploid hybrid speciation in Louisiana Iris.* *Taylor, S.J., and N.H. Martin. Botany 2011, St. Louis, MO. July 2011.
- Homoploid hybrid speciation in Louisiana Iris.* (poster) *Taylor, S.J., and N.H. Martin. Evolution conference, Norman, OK. June 2011.
- Genetic architecture of reproductive isolation in Louisiana Iris.*(oral) *Taylor, S.J., *L.D. Rojas, and N.H. Martin. Botanical Society of America conference, Providence, RI. July 2010.
- Genetic architecture of reproductive isolation in Louisiana Iris.* (oral) *Taylor, S.J., * L.D. Rojas, and N.H. Martin. Evolution conference, Portland, OR. June 2010.
- Genetic architecture of floral morphology in Louisiana Iris.* (poster) *Taylor, S.J., *L.D. Rojas, and N.H. Martin. Women in Science and Engineering conference, San Marcos, TX. May 2010.
- Genetic architecture of pollination syndromes in Louisiana Iris.* (oral) *Taylor, S.J., *L.D. Rojas, and N.H. Martin. Southwestern Association of Naturalists conference. Junction, TX. April 2010.
- Genetic architecture of postzygotic isolation in Louisiana Iris: hybrid fitness in nature.* (oral) *Taylor, S.J., M.L. Arnold, and N.H. Martin. Talk. Texas Academy of Science conference, Stephenville, TX. March 2010.
- Part of the story: Postzygotic isolation of a hybrid species* (poster) *S.J. Taylor and N.H. Martin. Sigma Xi Annual Meeting and Student Research Conference, Houston, TX November 2009.
- The genetic architecture of reproductive isolation in Louisiana Irises: hybrid fitness in nature.* (oral) *S.J. Taylor and N.H. Martin. Texas State University International Research Conference for Graduate Students. November 2009.
- The genetic architecture of reproductive isolation in Louisiana Irises: hybrid fitness in nature.* (oral) *S.J. Taylor, M.L. Arnold, and N.H. Martin. Botany and Mycology Conference, Snowbird, UT, July 2009.
- Patterns of fungal infection and herbivore attack in Louisiana Iris.* (poster) *M.C. Dobson, and N.H. Martin, Botany and Mycology Conference, Snowbird, UT, 25-29 July 2009.
- Mechanical pollinator isolation in Louisiana Iris: legitimacy and pollen transfer* (poster) *J.P. Shaw and N.H. Martin Botany and Mycology Conference, Snowbird, UT, 25-29 July 2009.
- Habitat Isolation in Louisiana Iris* (oral) N.H. Martin, *S.J. Taylor, *R. Willard, *J.P. Shaw, *M.C.

Dobson, and M.L. Arnold. Evolution Conference, Moscow ID, 15 June 2009.

The genetic architecture of reproductive isolation in Louisiana Iris: Iris nelsonii x I. hexagona (poster)
*S.J. Taylor and N.H. Martin, Evolution Conference, Moscow ID, June 2009.

Differential herbivory and fungal infections on parental and hybrid classes of Louisiana Irises (oral)
*M.C. Dobson and N.H. Martin. Southwestern Association of Naturalists Meeting, Monterrey, Mexico 2009.

QTL analysis of floral traits affecting introgression and reproductive isolation in Iris hybrids (poster)
S. Tang, R.A. Okashah, N.H. Martin, Y. Sapir, S.J. Knapp, and M.L. Arnold. Plant and Animal Genome Conference, San Diego, CA. January 2009.

The genetic architecture of reproductive isolation in Louisiana Irises: pollination syndromes and pollinator preferences. (oral) N.H. Martin and M.L. Arnold, Botanical Society of America, Victoria, BC, Canada. July 2008.

The genetic architecture of hybrid fitness in the Louisiana Iris species complex. (poster) *S.J. Taylor, N.H. Martin and M.L. Arnold, Botanical Society of America, Victoria, BC, Canada. July 2008.

Components of reproductive isolation between sympatric Mimulus guttatus and Mimulus nasutus (poster) N.H. Martin and J.H. Willis, Plant Speciation meetings 2003 (Plant Canada)

Hybrid lethality in sympatric Mimulus: the importance of Dobzhansky-Muller and nuclear-cytoplasmic interactions (oral) N.H. Martin and J.H. Willis, Evolution meetings 2002.

Reproductive isolation in Mimulus: the importance of Dobzhansky-Muller and nuclear-cytoplasmic interactions (oral) N.H. Martin and J.H. Willis, Botany meetings 2002.

D. INVITED TALKS

<i>Conservation Biology of Iris nelsonii.</i> Louisiana Dept. of Wildlife and Fisheries	June 2012
<i>Conservation Biology of Iris nelsonii.</i> Society for Louisiana Iris	March 2012
<i>Quantifying diversity, quantification of reproductive isolation, and quantitative genetics of speciation</i> Texas State University	March 2009
<i>Genetic architecture of speciation and reproductive isolation in Mimulus.</i> University of Houston	November 2007
<i>Speciation in Mimulus and Iris.</i> (Class Lecture: Frances Rose)	October 2006
<i>How I Became a Scientist.</i> Texas State University	November 2006
<i>Natural history of speciation and introgressive hybridization: case studies in Mimulus and Iris.</i> Texas State University,	April 2006
<i>The identification and quantification of prezygotic and postzygotic isolation.</i> Department of Genetics, University of Georgia	November 2005.
<i>Evolution and maintenance of reproductive isolation: a genetic, ecological, and genomic approach to studying speciation.</i> University of New Orleans	April 2005
<i>The biology of speciation.</i> Mesa State College	May 2005
- <i>Speciation in Mimulus.</i> Duke University - Population Biology Group	2001-2004

E. Grants and Contracts (Funded and Pending External Grants)

- Preliminary Proposal: *Genomics of reproductive isolation, adaptive introgression, and homoploid hybrid speciation in Louisiana Iris* - National Science Foundation (pending)
- Society for Louisiana Irises: *Transmission ratio distortion of Iris nelsonii and Iris fulva*
(2012 –) \$7,726
- Louisiana Dept. of Wildlife and Fisheries: *Examining species diversity and relative abundance of a butterfly community visiting Iris nelsonii, the only plant endemic to the state of Louisiana.*

	(2011 - 2015)	\$61,538
• National Science Foundation: <i>Collaborative Proposal: Genetic architecture of reproductive isolation and introgression in experimental and natural hybrid zones in Louisiana Irises</i>	(Mar 2010-2015)	\$537,632
• National Science Foundation: <i>Ecology, evolution, and genetic architecture of reproductive isolation in Iris nelsonii: a homoploid hybrid.</i>	(2008-2011)	\$135,000
• Society for Louisiana Irises (2 awards)	(2007, 2008)	\$2000
• American Iris Society Foundation (4 awards)	(2007-2009, 2010)	> \$15,000
• Duke University Keever Fund Research Award 2002	(2002)	\$1000
• Duke University Conference Travel Award	(2002)	\$500
• National Science Foundation, Dissertation Improvement Grant	(2000)	\$5331
• National Institute of Health, Genetics Research Fellow	(1999-2000)	stipend
• Sigma Xi, Grant-in-Aid-of-Research	(1999)	\$700

F. Submitted but not funded (major) external grants and contracts

• A genomic approach to identifying loci responsible for ecological speciation in the homoploid hybrid species <i>Iris nelsonii</i>	(not funded)	(Aug. 2013)	
National Science Foundation			
• Preliminary Proposal: A genomic approach to identifying speciation loci in the homoploid hybrid species <i>Iris nelsonii</i>	(invited)	(Jan. 2013)	\$591,827
National Science Foundation			
• Preliminary Proposal: <i>Collaborative Proposal: Genetic Architecture of Reproductive Isolation and Introgression in Experimental and Natural Hybrid Zones in Louisiana Irises</i>	(not funded)	(Jan. 2013)	
National Science Foundation			
• Preliminary Proposal: <i>Genomic Composition of the Homoploid Hybrid Species Iris nelsonii: Testing for Ecological Divergence</i>	(not funded)	(Jan. 2012)	
National Science Foundation			
• <i>Population structure of the rare endemic Iris nelsonii.</i>	(not funded)	(June 2011)	\$178,070
National Fish and Wildlife Foundation (NPCF)			
• <i>Homoploid hybrid speciation in Louisiana Iris</i>	(not funded)	(October 2009)	\$200,000
Advanced Research Program (state of Texas)			
• <i>Ecology, Evolution, and Genetic Architecture of Reproductive Isolation in Louisiana Iris,</i>	(not funded)	(July 2007)	\$569,350
National Science Foundation			
• <i>Genetic Architecture of Speciation / Reproductive Isolation in Louisiana Iris</i>	(not funded)	(October 2007)	\$125,000
Advanced Research Program (state of Texas)			

G. Funded Internal Grants and Contracts

• Research Enhancement Program – Texas State University	(2007)	\$7966
• Research Enhancement Program – Texas State University	(2006)	\$7993
• Startup Funds from Texas State University	(2006)	\$175,000

H. Funded Graduate-Student Grants

• <i>Sunni-Taylor</i> : Sigma Xi, Grant-in-Aid-of-Research	(2007)	\$400
• - Botanical Society of America Research Award	(2007)	\$500
• - American Iris Society Foundation	(2007)	\$2550
• - American Iris Society Foundation	(2011)	\$2719

I. Scholarly/Creative Awards

- College of Science Runner Up: Presidential Award for Excellence in Scholarly/Creative Activities 2009
- College of Science Runner Up: Presidential Award for Excellence in Scholarly/Creative Activities 2011

IV. SERVICE

A. Departmental Committees

- Departmental Planning Committee (2013-present)
- Seminar Committee (2006-present)
- Undergraduate Committee (2006-present)
- Target of Opportunity Committee (2006-present)
- Vehicle Use Committee (2006-present)
- Greenhouse Committee (Current Co-Chair) (2006-present)
- Tenure and Promotion Committee (2008-present)

B. Departmental Activities

- Coordinate departmental graduate student luncheons with speakers (2006-2012)
- Invited and hosted University of Chicago speaker Jerry Coyne (March 2010)
- Invited and hosted University of New Orleans speaker Philip J. DeVries (12 Feb 2007)
- Invited and hosted University of New Orleans speaker Carla Penz (26 Mar 2007)
- Invited and hosted University of Georgia speaker Mike Arnold (15 Oct 2007)
- Served as grant panel judge for Francis Rose Undergrad. Res. Award (2007-2009)
- Served as judge for student Colloquium (2008)

C. University Service

- Invited and hosted University of Chicago speaker Jerry Coyne for a public “Why Evolution is True” talk. (March 2010)

D. Training

- “National Science Foundaton Regional Grants Conference”
 - National Science Foundation organizers (October 2008)
- “Introduction to QTL Mapping” Module – Summer Institute in Statistical Genetics
 - R. Doerge, Z.B. Zeng instructors (June 2005)
- “Advanced QTL Mapping” – Summer Institute in Statistical Genetics
 - K. Broman, B. Yandell, Z.B. Zeng instructors (June 2005)

E. Organizational Memberships

- Member: Society for Louisiana Irises (2007-present)
- Member: American Iris Society (2007-present)
- Member: Society for the Study of Evolutionary Biology (2006-present)
- Member: Botanical Society of America (2007-present)
- Member Sigma Xi Scientific Research Society (2007-present)

F. Professional Service

- Associate Editor: **American Journal of Botany** 2012 - Present
- Grant Panelist for National Science Foundation: Population and Evolutionary Processes (2009, 2012, 2014)
- Grant Reviewer for National Science Foundation: Population and Evolutionary Processes (2008)
- Faculty Member of EDEN – Evo-Devo-Eco Network (NSF – Funded opportunity to allow undergraduate students to study with non-model-system organisms 2011 - Present).
- Planting Science High School Mentor (2009 - 2011)
- Reviewer for **Evolutionary Ecology** (2011)
- Reviewer for **BMC Evolutionary Biology** (2011)
- Reviewer for **Journal of Animal Ecology** (2010)
- Reviewer for **Journal of Ecology** (2010)
- Reviewer for **ABC Botanica** (2009)
- Reviewer for **Annals of Botany** (2009, 2012, 2013)

- Reviewer for **Behavioral Ecology and Sociobiology** (2009)
- Reviewer for **Sexual Plant Reproduction** (2009)
- Reviewer for **Molecular Ecology** (2009, 2013)
- Reviewer for **Acta Botanica Cracoviensia** (2009)
- Reviewer for **Diversity and Distributions** (2008)
- Reviewer for **Botanical Journal of the Linnean Society** (2008)
- Reviewer for **New Phytologist** (2008, 2009, 2012, 2015)
- Reviewer for **Evolution** (2007, 2008, 2009, 2011, 2012, 2013)
- Reviewer for **Journal of Heredity** (2007, 2012)
- Reviewer for **Plant Systematics and Evolution** (2007)
- Reviewer for **Philosophical Transactions of the Royal Society** (2007, 2008)
- Reviewer for **Lundellia** (2007)
- Reviewer for **Genetics** (2006-2007, 2014)
- Reviewer for **American Journal of Botany** (2006-2007, 2009-2010, 2013-2015)
- Reviewer for **Planta** (2006)
- Reviewer for **Journal of the Lepidopterists' Society** (2001, 2002)
- Reviewer for **Biotropica** (2001, 2002)
- Reviewer for **Evolutionary Ecology Research** (2015)
- Board Member for Ellerbe Creek Watershed Association (Land Trust) (2002, 2003)