

## CURRICULUM VITAE

### **KENNETH D. WHITNEY**

Department of Ecology and Evolutionary Biology, MS-170  
Rice University  
6100 S. Main St.  
Houston, TX 77005

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#### **APPOINTMENTS**

- 2005-present    Assistant Professor, Rice University, Department of Ecology and Evolutionary Biology
- 2003-2005      Postdoctoral Fellow, Indiana University  
                    Advisor: Loren H. Rieseberg

#### **ADJUNCT APPOINTMENTS**

- 2010-            Adjunct Graduate Doctoral Faculty, Texas State University – San Marcos

#### **EDUCATION**

- 2003            Ph.D., Population Biology, University of California at Davis  
                    Major professor: Maureen L. Stanton  
                    Committee Members: Sharon Y. Strauss, Thomas B. Smith
- 1997            M.A., Ecology and Systematics, San Francisco State University  
                    Major professor: Thomas B. Smith  
                    Committee Members: V. Thomas Parker, Eric J. Routman
- 1989            A.B. *summa cum laude*, English, Dartmouth College  
                    minor in Environmental Studies

#### **OTHER PROFESSIONAL EXPERIENCE – ENVIRONMENTAL CONSULTING**

- 1997-1998    Staff Scientist, Stillwater Ecosystem, Watershed and Riverine Sciences  
                    Berkeley, CA
- 1989-1992    Scientist I, EA Engineering, Science, and Technology, Inc.  
                    Lafayette, CA

## RESEARCH SUPPORT

2012-2015	\$310,822	National Science Foundation DEB 1146203 (co-PI with Stephen Hovick). <i>Effects of population genetic diversity on colonization success.</i>
2007-2012	\$577,527	National Science Foundation DEB 0716868 (PI; co-PI Loren Rieseberg; 100% of funds to Rice Univ.). <i>Long-term natural selection and adaptive introgression in weedy sunflowers.</i>
2010-2012	\$14,982	National Science Foundation Dissertation Improvement Grant DEB 1011661 (co-PI Jeffrey Ahern). <i>DISSERTATION RESEARCH: Evolutionary ecology of defensive chemical variation in Xanthium strumarium</i>
2012	\$7,500	National Science Foundation REU supplement to DEB 0716868
2011	\$7,500	National Science Foundation REU supplement to DEB 0716868
2009-2010	\$50,000	Shell Center for Sustainability (co-PI Lesley Campbell). <i>Response of native plant mating systems to global change</i>
2009-2010	\$26,608	Hamill Innovation Grant, Rice Institute of Biosciences and Bioengineering AND Rice Faculty Initiatives Fund (co-PI Michael Covington). <i>Seed-seed signaling in Arabidopsis thaliana: evolutionary ecology and molecular mechanisms of a newly-discovered process</i>
2010	\$7,000	National Science Foundation REU supplement to DEB 0716868
2009	\$7,475	National Science Foundation REU supplement to DEB 0716868
2007-2009	\$20,000	National Geographic Society 8237-07 (PI; co-PIs Amy Savage, Jennifer Rudgers). <i>Yellow Crazy Ant invasion of the Samoan Archipelago: Do novel mutualisms amplify the ecological impacts?</i>
2005	\$50,000	Genomics Education Matching Fund Program, Licor Corporation (co-PI with Michael Kohn)
2003-2005	\$89,200	USDA NRI Postdoctoral Fellowship
2001	\$5,000	ARCS Foundation Scholarship
1999-2001	\$8,800	UC Davis competitive intramural research grants
1998-2001	\$5,000	Center for Tropical Research Grant
1997-2000	\$66,000	EPA STAR Fellowship
1996	\$5,000	NSF Graduate Research Traineeship
1994-1996	\$43,000	NSF Graduate Research Fellowship

1994 \$24,000 Wildlife Conservation Society (co-PI with T. B. Smith, V. T. Parker, M. Fogiel)

**OTHER SUPPORT**

2007 Brown Foundation Teaching Grant, \$4,977 (co-PI with Jennifer Rudgers)

**MANUSCRIPTS IN REVIEW** (\* Coauthor associated with my lab; †Undergraduate student)

36. Laurance W. F., D. C. Useche, J. Rendeiro, M. Kalka et al. (100+ co-authors). *in review*. Long-term ecological changes and threats in tropical protected areas.

35. Campbell\*, L. G., L. P. Albert\*, E. D. Gumuser\*†, K. D. Whitney. *in review*. Water availability influences the relative investment in selfing and outcrossing flowers of an invasive grass, *Microstegium vimineum* (Poaceae).

34. Ahern\*, J.R. and K.D. Whitney. *in review*. Sesquiterpene lactone stereochemistry influences herbivore resistance and plant fitness.

**PUBLICATIONS** ISI RESEARCHER ID: B-2971-2011

(\* Coauthor associated with my lab; †Undergraduate student)

33. Chamberlain\*, S., S. Hovick\*, C. Dibble, B. Van Allen, B. Maitner, J. Ahern\*, L. Bell-Dereske, N. Rasmussen, J. Carillo, M. Meza-Lopez, C. Roy, E. Siemann, M. Lajeunesse and K.D. Whitney. *In press*. Does phylogeny matter? Assessing the impact of phylogenetic information in ecological meta-analysis. ***Ecology Letters***.

32. Hovick\*, S. M., L. G. Campbell\*, A. A. Snow, and K. D. Whitney. 2012. Hybridization alters early life-history traits and increases plant colonization success in a novel region. ***American Naturalist*** 179: 192-203.

31. Maitner, B. S., J. A. Rudgers, A. E. Dunham, and K. D. Whitney. 2012. Patterns of bird invasion are consistent with environmental filtering. ***Ecography***. DOI 10.1111/j.1600-0587.2011.07176.x

30. Savage\*, A. M., and K. D. Whitney. 2011. Mutualistic, trait-mediated indirect interactions in invasions: a highly invasive ant has unique behavioral responses to plant nectar. ***Ecosphere*** 2(9):106.

29. Albert\*, L. P., L. G. Campbell\*, and K. D. Whitney. 2011. Beyond simple reproductive assurance: cleistogamy allows adaptive plastic responses to pollen limitation. ***International Journal of Plant Sciences*** 172:862-869.

28. Ness, J. H., E. J. Rollinson, and K. D. Whitney. 2011. Phylogenetic distance can predict susceptibility to attack by natural enemies. ***Oikos*** 120:1327-1334.

27. Whitney, K. D., B. Boussau, E. J. Baack, and T. Garland Jr. 2011. Drift and genome complexity revisited. ***PLoS Genetics*** 7(6): e1002092

26. Savage\*, A. M., S. D. Johnson\*†, K. D. Whitney, and J. A. Rudgers. 2011. Do invasive ants respond more strongly to carbohydrate availability than co-occurring non-invasive ants? A test along an active *Anoplolepis gracilipes* invasion front. ***Austral Ecology*** 36: 310-319.

25. Craig\*†, S., S. Kannadan\*†, S. L. Flory, E. K. Seifert, K. D. Whitney, and J. A. Rudgers. 2011. Potential for endophyte symbiosis to increase resistance of the native grass *Poa alsodes* to invasion by the non-native grass *Microstegium vimineum*. *Symbiosis* 53: 17-28.
24. Whitney, K. D. and T. Garland Jr. 2010. Did genetic drift drive increases in genome complexity? *PLoS Genetics* 6(8): e1001080.
23. Whitney, K. D., J. R. Ahern\*, L. G. Campbell\*, L. P. Albert\*, and M. S. King\*†. 2010. Patterns of hybridization in plants. *Perspectives in Plant Ecology, Evolution and Systematics* 12: 175-182.
22. Whitney, K. D., R. A. Randell, and L. H. Rieseberg. 2010. Adaptive introgression of abiotic tolerance traits in the sunflower *Helianthus annuus*. *New Phytologist* 187: 230-239.
21. Whitney, K. D., E. J. Baack, J. L. Hamrick, M. J. W. Godt, B. C. Barringer, M. D. Bennett, C. G. Eckert, C. Goodwillie, S. Kalisz, I. J. Leitch, and J. Ross-Ibarra. 2010. A role for nonadaptive processes in plant genome size evolution? *Evolution* 64: 2097-2109.
20. Scascitelli, M., K. D. Whitney, R. A. Randell, M. King, C. A. Buerkle, and L. H. Rieseberg. 2010. Genome scan of hybridizing sunflowers from Texas (*Helianthus annuus* and *H. debilis*) reveals asymmetric patterns of introgression and small islands of genomic differentiation. *Molecular Ecology* 19:521-541.
19. Crawford\*, K. M., and K. D. Whitney. 2010. Population genetic diversity influences colonization success. *Molecular Ecology* 19: 1253–1263.
18. Whitney K.D., Rudgers J.A. 2009. Constraints on plant signals and rewards to multiple mutualists? *Plant Signaling & Behavior* 4(9): 801-804.
17. Savage\* A.M., J.A. Rudgers & K.D. Whitney. 2009. Elevated dominance of extrafloral nectary-bearing plants is associated with increased abundances of an invasive ant and reduced native ant richness. *Diversity And Distributions* 15: 751-761.
16. Whitney, K.D. 2009. Comparative evolution of flower and fruit morphology. *Proceedings of the Royal Society B-Biological Sciences* 276:2941-2947.
15. Whitney, K.D., J.R. Ahern\*, and L.G. Campbell\*. 2009. Hybridization-prone plant families do not generate more invasive species. *Biological Invasions* 11:1205-1215.
14. Whitney, K.D. & C.A. Gabler. 2008. Rapid evolution in introduced species, ‘invasive traits’ and recipient communities: challenges for predicting invasive potential. *Diversity And Distributions* 14: 569–580.
13. Rieseberg, L. H., S. C. Kim, R. A. Randell, K. D. Whitney, B. R. Gross, C. Lexer, and K. Clay. 2007. Hybridization and the colonization of novel habitats by annual sunflowers. *Genetica* 129: 149-165.
12. Rudgers, J.A. & K.D. Whitney. 2006. Interactions between insect herbivores and a plant architectural dimorphism. *Journal Of Ecology* 94: 1249-1260.
11. Whitney, K. D., R. A. Randell, and L. H. Rieseberg. 2006. Adaptive introgression of herbivore resistance traits in the weedy sunflower *Helianthus annuus*. *American Naturalist* 167(6): 794-807.

10. Whitney, K. D. 2005. Linking frugivores to the dynamics of a fruit color polymorphism. *American Journal of Botany* 92: 859-867.
9. Baack, E. J., K. D. Whitney, and L. H. Rieseberg. 2005. Hybridization and genome size evolution: timing and magnitude of nuclear DNA content increases in *Helianthus* homoploid hybrid species. *New Phytologist* 167:623-630.
8. Whitney, K. D. 2005. Evidence for simple genetic control of a fruit colour polymorphism in *Acacia ligulata*. *Australian Journal of Botany* 53: 363-366.
7. Whitney, K. D., and M. L. Stanton. 2004. Insect seed predators as novel agents of selection on fruit color. *Ecology* 85: 2153-2160.
6. Whitney, K. D. 2004. Experimental evidence that both parties benefit in a facultative plant-spider mutualism. *Ecology* 85:1642-1650.
5. Whitney, K. D., and C. E. Lister. 2004. Fruit colour polymorphism in *Acacia ligulata*: seed and seedling performance, clinal patterns, and chemical variation. *Evolutionary Ecology* 18: 165-186.
4. Whitney, K. D. 2002. Dispersal for distance? *Acacia ligulata* seeds and meat ants *Iridomyrmex viridiaeneus*. *Austral Ecology* 27: 589-595.
3. Whitney, K. D., and T. B. Smith. 1998. Habitat use and resource tracking by African *Ceratogymna* hornbills: implications for seed dispersal and forest conservation. *Animal Conservation* 1: 107-117.
2. Whitney, K. D., M. K. Fogiel, A. M. Lamperti, K. M. Holbrook, D. M. Stauffer, B. D. Hardesty, V. T. Parker, and T. B. Smith. 1998. Seed dispersal by *Ceratogymna* hornbills in the Dja Reserve, Cameroon. *Journal of Tropical Ecology* 14: 351-371.
1. Smith, T. B., K. K. Rasmussen, K. D. Whitney, and M. K. Fogiel. 1996. A preliminary survey of birds from the Lac Lobeke Reserve, south-eastern Cameroon. *Bird Conservation International* 6: 167-174.

#### **HIGHLIGHTS OF MY PUBLISHED WORK**

Whitney & Garland 2010:

Research Highlights: "Ginormous genomes." *Nature* 467(7312): 135.

*PLoS Genetics* "Most Viewed" article 8/27/10 - 10/7/10

"Not the origin of genome complexity." *Discover Magazine*, Gene Expression Blog, 27 August 2010. <http://blogs.discovermagazine.com/gnxp/2010/08/not-the-origin-of-genome-complexity/>

*Faculty of 1000 Biology* 'Must Read'. <http://f1000.com/5141957>

Crawford & Whitney 2010:

*Faculty of 1000 Biology* 'Recommended'. <http://f1000.com/4675956>

News and Views: "Population-level traits that affect, and do not affect, invasion success." Sanders, N. J. 2010. *Molecular Ecology* 19: 1079–1081.

Whitney, Randall, Rieseberg 2010:

Forum: "What's good for you may be good for me: evidence for adaptive introgression of multiple traits in wild sunflower." Vekemans, X. 2010. *New Phytologist* 187: 6-9.

Whitney, Ahern, Campbell 2009:

*Faculty of 1000 Biology* 'Recommended'. <http://f1000.com/1162698>

### **INVITED SEMINARS & PRESENTATIONS**

- 2012 Molecular Ecology 2012, Vienna, Austria (scheduling conflict, declined)  
University of Arizona (5 Mar)
- 2011 University of Houston (12 Oct)
- 2010 University of Richmond (1 Nov)  
Rocky Mountain Biological Lab Seminar Series, Gothic, CO (29 June)  
Portland State University, Dept. of Biology (scheduling conflict, declined).
- 2009 10<sup>th</sup> Annual Ecological Integration Symposium, "Resilience from Genes to Ecosystems:  
Ecological, Evolutionary, and Social Perspectives on Sustainable Conservation", Texas  
A&M University, March 6.
- 2008 Texas A & M University, Department of Entomology, 2 October.  
Rice University, Institute of Biosciences and Bioengineering Symposium, 18 June.  
The Evolutionary Ecology of Plant-animal Interactions: from Genes to Communities. Spanish  
Association of Terrestrial Ecology, Mallorca, Spain, April 21-23.
- 2007 Microevolutionary Change in Human-altered Environments: An International Summit to  
Translate Science into Policy. University of California, Los Angeles, February 8-11<sup>th</sup>.  
Texas A & M University, Department of Rangeland Ecology and Management, 17 April.
- 2006 Central Texas Ecologists' Meeting, Austin, TX, 18 Nov.  
Botanical Society of America Symposium, 'Hybridization as a Stimulus for the Evolution of  
Invasiveness in Plants.' Chico State University, Chico, CA, 2 August.  
Trinity University, Dept. of Biology
- 2005 NSF-USDA-EPA Principal Investigators Symposium  
University of Tennessee, Department of Ecology and Evolutionary Biology  
USDA Sunflower Unit, Symposium on Wild *Helianthus*
- 2004 Rice University, Department of Ecology & Evolutionary Biology  
University of Akron, Department of Biology  
Tufts University, C. Orians Lab
- 2003 University of Wyoming, Department of Botany

University of Pittsburgh, Department of Biology  
Susquehanna University, Department of Biology  
Entomological Society of America Symposium, 'Stable Isotopes in Basic and Applied  
Entomology'  
University of Toronto, Departments of Botany and Zoology

2001 University of Arizona, J. Bronstein Lab

1998 University of Queensland, Centre for Conservation Biology

### **PROFESSIONAL MEETING ABSTRACTS**

- Gumuser, E.D., S.M. Hovick and K.D. Whitney. Importance of functional group dominance and colonizer genetic diversity on invasive success. Ecological Society of America, Austin TX 2011.
- Hovick, S.M., L.G. Campbell, A.A. Snow and K.D. Whitney. Hybridization in wild radish (*Raphanus raphinistrum*) alters early life-history traits and increases colonization success in a novel region. Ecological Society of America, Austin TX 2011.
- Savage, A.M., K. D. Whitney and J. A. Rudgers. Can novel mutualisms with native species modify the community-wide consequences of ant invasions? A test using the *Anoplolepis gracilipes* invasion of the Samoan Archipelago. Ecological Society of America, Austin TX 2011.
- Sloat, L.L., C.A. Lamanna, G. Aldridge, B.J. Enquist, A.N. Henderson, D.W. Inouye, M.J. Stansberry, K.D. Whitney, I. Billick. A comprehensive functional trait database for the plants of the Rocky Mountain Biological Laboratory. Ecological Society of America, Austin TX 2011.
- Ahern, J. R., and K. D. Whitney. Ecological factors associated with the maintenance of a defensive chemical polymorphism in *Xanthium strumarium*. Society for The Study of Evolution, Norman, OK 2011.
- Ahern, J. R., and K. D. Whitney. Factors associated with the maintenance of a defensive chemical polymorphism in *Xanthium strumarium*. Ecological Society of America, Austin TX 2011.
- Chamberlain, S. A. and K. D. Whitney. Mutualist and antagonist arthropod communities of native plants are influenced by proximity to agricultural crops. Ecological Society of America, Austin TX 2011.
- Campbell, L.G., K. Mercer and K. D. Whitney. Do hybridization rates vary with water availability? Canadian Society for Evolution and Ecology, May 2011.
- Ness, J.H., E.J. Rollinson, K. D. Whitney. Phylogenetic community structure influences among-species differences in susceptibility to attack by natural enemies. Ecological Society of America, Pittsburgh, PA 2010.
- Maitner, B.S., A. E. Dunham, J. A. Rudgers, K. D. Whitney. Phylogenetic community structure is correlated with the success of invasive avifauna. Ecological Society of America, Pittsburgh, PA 2010.
- Ahern, J. R., Whitney, K. D. Effects of sesquiterpene lactone stereochemistry on herbivore resistance in *Xanthium strumarium*. Gordon Research Conference: Plant-Herbivore Interactions. Galveston, TX 2010.
- Whitney, K. D., J. H. Ness. Phylogenetic community structure influences herbivore damage. Gordon Research Conference: Plant-Herbivore Interactions. Galveston, TX 2010.
- Savage, A. M., K. D. Whitney, and J. A. Rudgers. The invasive ant *Anoplolepis gracilipes* modifies the community-wide impacts of a facultative mutualism. Sigma Xi, the Scientific Research Society Annual Conference, The Woodlands, TX. November 2009.
- Whitney, K. D., J. R. Ahern, L. G. Campbell and L. P. Albert. Explaining hybridization propensity in plants. Ecological Society of America, Albuquerque, NM 2009.
- Ahern, J.R. & K. D. Whitney. Sesquiterpene lactone stereochemistry determines herbivore resistance in

- Xanthium strumarium* (Asteraceae). Ecological Society of America, Albuquerque, NM 2009.
- Savage, A. M., J. A. Rudgers and K.D. Whitney. Community-level consequences of an ant-plant mutualism change when an invasive ant dominates local ant assemblages. Southeast Ecology and Evolution Conference, Gainesville, FL. March 2009.
- Whitney, K. D., J. R. Ahern, and L. G. Campbell. Hybridization-prone plant families do not generate more invasive species. Society for the Study of Evolution, Minneapolis, MN. 2008.
- Savage, A. M., J. A. Rudgers, and K. D. Whitney. Yellow crazy ant invasion of the Samoan Archipelago: Can novel mutualisms facilitate community-wide impacts? Southeast Ecology and Evolution Conference, Tallahassee, FL. March 2008.
- Crawford, K. M., P. Thompson, and K. D. Whitney. Genetic diversity and early colonization success: Testing hypotheses with a model system. Ecological Society of America, San Jose, CA. 2007.
- Whitney, K. D., R. A. Randell, L. H. Rieseberg. Adaptive introgression of herbivore-resistance traits and range expansion in sunflowers. Society for the Study of Evolution, Stony Brook, NY. 2006.
- Whitney, K. D., R. A. Randell, C. Orians, L. H. Rieseberg. Introgression of herbivore resistance traits and the evolution of invasiveness in sunflowers (*Helianthus*). Gordon Conference on Plant-Herbivore Interaction. Ventura, CA. 2004.
- Whitney, K. D., R. A. Randell, C. Orians, L. H. Rieseberg. Introgression of herbivore resistance traits and the evolution of invasiveness in sunflowers (*Helianthus*). Ecological Society of America, Portland, OR. 2004.
- Whitney, K. D. Experimental evidence that both parties benefit in an Australian plant-spider mutualism. Ecological Society of America, Tucson, AZ. 2002.
- Whitney, K. D. Seed dispersers, predators, and the maintenance of genetic variation: fruit color polymorphism in *Acacia ligulata*. Ecological Society of America, Madison, WI. 2001.
- Whitney, K. D. Fruit color polymorphism in *Acacia ligulata*: Are seed dispersers or seed predators key to the riddle? 3<sup>rd</sup> International Symposium on Frugivores and Seed Dispersal, São Pedro, Brazil. 2000.
- Whitney, K. D. Seed dispersers, seed predators, and the maintenance of genetic variation: aril color polymorphism in *Acacia ligulata*. Ecological Society of Australia, Melbourne, Australia. 2000.
- Whitney, K. D. & T. B. Smith. Conservation value of seed dispersal by Hornbills. Earthwatch/UK Tropical Forest Forum conference: African rainforests and the conservation of biodiversity, Limbe, Cameroon. 1997.
- Whitney, K. D. & T. B. Smith. Frugivore visitation, seed removal, and seed deposition at three species of African nutmeg (Myristicaceae). Ecological Society of America, Providence, RI. 1996.
- Whitney, K. D. & T. B. Smith. Seasonal variation in diet and habitat use of two large African forest hornbills: implications for forest dynamics. Ecological Society of America, Snowbird, Utah. 1995.
- Smyth, A. P. & K. D. Whitney. A comparison of seed dispersal in primary vs. secondary forest for an afro-tropical pioneer species, *Rauwolfia macrocarpa*. Ecological Society of America, Snowbird, Utah. 1995.
- Whitney, K. D. & T. B. Smith. Visitation and dispersal of the Myristicaceae by hornbills (Bucerotidae) in an African forest. Association for Tropical Biology, San Diego, CA. 1995.

### **TEACHING EXPERIENCE**

- Plant Diversity (EBIO 336), Spring 2007, Spring 2008, Spring 2010, Spring 2011, Spring 2012.
- Graduate Core Class in Ecology and Evolutionary Biology (EBIO 529), Ecological Genetics module, Fall 2006, Fall 2008, Fall 2009, Fall 2010, Fall 2011.
- Topics in Ecology (EBIO 563): Fall 2008, Fall 2009, Fall 2010.
- Topics in Evolution (EBIO 561): Spring 2006, Spring 2007.

## HONORS AND AWARDS

2007 Distinguished Associate Award, Lovett College  
2001 Phi Sigma, University of California at Davis Chapter  
1997 Graduate Student Award for Distinguished Achievement in Biology, SFSU  
1989 High Honors in the Major, Dartmouth College  
1988 Phi Beta Kappa, Dartmouth College Chapter  
1988 Presidential Scholar, Dartmouth College  
1988 Ralston English Prize, Dartmouth College

## POSTDOCTORAL FELLOW SUPERVISION

	<u>Dates</u>	<u>Current Position</u>
Dr. Stephen Hovick	May 2010 - present	
Dr. Lesley Campbell	January 2008 - July 2010	Assistant Professor, Dept. of Chemistry and Biology, Ryerson University, Toronto

## GRADUATE STUDENT SUPERVISION

	<u>Status</u>	<u>Co-supervisor</u>	<u>Current Position</u>
Michelle Sneck	Ph.D. in progress		
Michelle Downey	Ph.D. in progress		
Scott Chamberlain	Ph.D. in progress	J. Rudgers	
Jeffrey Ahern	Ph.D. in progress		
Amy Savage	Ph.D. 2011	J. Rudgers	Lecturer, Rice University
Autumn Hardin*	Ph.D. 2008		Adjunct Faculty, Lone Star College, Houston, Texas
Amaris Swann*	Ph.D. 2007		Research Scientist II, Sevilleta LTER (Long Term Ecological Research) Site, University of New Mexico

\*research conducted in L. Meffert Lab

## M.S./PH.D. THESIS COMMITTEES (21)

Michelle Afkhami (Rice EEB)	Jennie Kuzdzal (Rice EEB)
Lara Appleby (University of Houston)	John Liu (Rice Biochem & Cell Biol)
Juli Carillo (Rice EEB)	Brian Maitner (Rice EEB)
Kerri Crawford (Rice EEB)	Onza Razafindratsima (Rice EEB)
Sarah Christensen (Rice Biochem & Cell Biol)	Christopher Roy (Rice EEB)
Juan Diaz (Rice EEB)	Ching-Hua Shih (Rice EEB)
Christopher Dibble (Rice EEB)	Laurie Stevison (Rice EEB)
Diana Dugas (Rice Biochem & Cell Biol)	Sunni Taylor (Texas State University San Marcos)
Danielle Goodspeed (Rice Biochem & Cell Biol)	Benjamin Van Allen (Rice EEB)
Joseph Hinton (Rice EEB)	Yichen Zheng (University of Houston)
Anthony Kinyo (Rice EEB)	

## MENTORING – UNDERGRADUATE INDEPENDENT RESEARCH PROJECTS SINCE ARRIVING AT RICE(18)

	<u>Project</u>	<u>Current Position</u>
Charles Ary	Senior thesis (2010)	Development Analyst, Clean Line Energy Partners, Houston TX
Carina Baskett	Independent study	NSF Predoctoral Fellow; Ph.D. Program in Ecology, Evolution, and Behavioral Biology, Michigan State University
Morgan Black	Senior thesis (2012)	Current Senior
Katherine Boles	Senior thesis (2008)	Masters Program in Landscape Architecture, University of Virginia
Jeremy Caves	Independent study	NSF Predoctoral Fellow; PhD program in Environmental Earth System Science, Stanford University
Christopher Chen	NSF REU (2009)	M.D. program, Baylor College of Medicine
Skylar Craig	Senior thesis (2010)	
Esra Gumuser	Senior thesis (2011)	Lab Technician, Baylor College of Medicine
Amy Ewbank	NSF REU (2011)	Current Senior
Sally Johnson	Senior thesis (2008)	MS Program in Environmental Science and Management, UC Santa Barbara
Matthew King	Independent study	Clinical internship with Dr. Richard Stasney, Methodist Hospital
Darren Li	NSF REU, Senior thesis (2011)	M.D. program, University of Michigan
Reshmi Paul	Century Scholar	
Marcus Stansberry	NSF REU (2010 at RMBL), Senior thesis (2010)	
Emily Stone	NSF REU (2011 at RMBL)	Rising Senior at UC Berkeley
Paul Thompson	Independent study	University of Pittsburgh School of Nursing Program
Anika Vinze	Independent study	Masters Program in Health Science in Global Disease Epidemiology, Johns Hopkins University
Niki VonHedemann	Senior thesis (2008)	MA Program in Geography, University of Arizona

## MENTORING – POSTGRADUATE TECHNICIANS

	<u>Current Position</u>
Loren Albert	PhD Program in Ecology and Evolutionary Biology, University of Arizona
Nancy Falxa-Raymond	MA Program in Conservation Biology, Columbia University
Samantha Hammer	MS Program in Hydrology, University of Arizona
Megan Rúa	PhD Program in Ecology, University of North Carolina – Chapel Hill
Elizabeth Siefert	Technician, University of Guelph
Carolina Simao	Technician, Rice
Prudence Sun	Technician, Rice

## **SOCIETY MEMBERSHIP**

Botanical Society of America  
Ecological Society of America  
Sigma Xi  
Society for the Study of Evolution

## **JOURNAL EDITORIAL POSITIONS**

Associate Editor, *Journal of Ecology*, September 2011 - present  
Associate Editor, *ISRN Ecology*, March 2011- present  
Ad Hoc Editor, *Ecology*, March 2012

## **SERVICE IN PEER REVIEW – JOURNALS (64)**

<i>American Journal of Botany</i> (3)	<i>Journal of Tropical Ecology</i>
<i>American Midland Naturalist</i> (2)	<i>Molecular Biology and Evolution</i> (2)
<i>Annals of Botany</i> (3)	<i>Molecular Ecology</i> (4)
<i>Australian Journal of Botany</i>	<i>Naturwissenschaften</i>
<i>Biological Invasions</i>	<i>New Phytologist</i> (3)
<i>BMC Evolutionary Biology</i>	<i>Oecologia</i> (5)
<i>Botany</i>	<i>Oikos</i>
<i>Current Biology</i>	<i>Plant Biology</i> (2)
<i>Diversity and Distributions</i>	<i>Plant Biosystems</i> (2)
<i>Ecography</i>	<i>Proceedings of the National Academy of Sciences USA</i>
<i>Ecological Research</i>	<i>Proceedings of the Royal Society B: Biological Sciences</i>
<i>Ecology</i> (5)	<i>Philosophical Transactions of the Royal Society B:</i>
<i>Ecology Letters</i> (2)	<i>Biological Sciences</i>
<i>Evolution</i> (4)	<i>Science</i>
<i>Genetics</i>	<i>Trends in Plant Science</i>
<i>Heredity</i>	<i>Wildlife Research</i>
<i>Journal of Applied Ecology</i>	<i>Zoo Biology</i>
<i>Journal of Ecology</i> (6)	

## **SERVICE IN PEER REVIEW – GRANTING AGENCIES**

DFG (German Research Foundation)  
Grant Agency of the Czech Academy of Science  
National Geographic Society (2)  
NSF, Environmental Genomics (2)  
NSF, Evolutionary Ecology (17)  
NSF, Integrative Organismal Systems (2)  
NSF, International Research Fellowship Program  
NSF, Population and Evolutionary Processes (6)  
NSF, Population and Evolutionary Processes, DDIG (22)  
NYZS/The Wildlife Conservation Society  
USDA, Biology of Weedy and Invasive Plants Panel

### **SERVICE – GRANTING AGENCY PANELS**

NSF, Evolutionary Ecology Panel, Mar 2011

NSF, Population and Community Ecology Panel, Apr 2011 (scheduling conflict, declined)

NSF, Population and Evolutionary Processes Panel, Doctoral Dissertation Improvement Grants, Feb 2008

### **SERVICE & OUTREACH IN SCIENCE EDUCATION**

2010 Civic Scientist Series. Carnegie Vanguard High School, 13 Oct 2010

2009 Civic Scientist Series. Carnegie Vanguard High School, 14 Oct 2009

Civic Scientist Series. Eastwood Academy, 10<sup>th</sup> grade biology class, 24 Feb  
2009. “Field biology in Africa and Australia”

2007 Instructor, International Baccalaureate teacher training workshop, Rice  
University

2006 Instructor, Advanced Placement teacher training workshop, Rice University

2006 Instructor, International Baccalaureate teacher training workshop, Rice  
University