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## **EDUCATION**

- Ph.D. Department of Plant Biology, University of Georgia, Athens, GA. (Dr. Jim Hamrick, advisor). 2003.
- M.S. Department of Botany, University of Georgia, Athens, GA. (Dr. David Giannasi, advisor). 1995.
- M.B.A. Department of Accounting, Rutgers University, Newark, NJ. 1983.
- A.B. Department of Biology, Colgate University, Hamilton, NY. 1979.

## **PROFESSIONAL EXPERIENCE**

- Faculty Member*, Center for Integrative Conservation Research, University of Georgia. 2014.
- Adjunct Senior Lecturer*, School of Marine and Tropical Biology, James Cook University, Australia. 2013 - present.
- Assistant Professor*, Department of Plant Biology, University of Georgia. 2010 - present.
- Courtesy Faculty*, Odum School of Ecology, University of Georgia. 2010 - present.
- Assistant Dean*, Odum School of Ecology, University of Georgia. 2007 - 2010.  
Responsible for developing and administering \$3M+ budget, supervision of 12 staff, representing OSE on University level committees, overseeing graduate program, facilities/buildings, day-to-day operation of the School, and miscellaneous administrative matters.
- Assistant Director*, Institute of Ecology, University of Georgia. 2006 - 2007.  
Responsible for budget decisions, graduate and undergraduate program, supervision of 12 staff, facilities/buildings & miscellaneous administrative matters.
- Postdoctoral Research Associate*, with Kathy Parker, Department of Geography, University of Georgia. *The genetic effects of pre-Colombian agave cultivation on relict populations of Agave murpheyi, A. delamateri, and A. parryi in central Arizona.* NSF GRS0216832. 2003 - 2006.

*Instructor*, Department of Genetics, University of Georgia. 2005.  
Developed semester long course (*Evolution*) for undergraduates.

*Instructor*, Department of Botany, University of Georgia. 1996 and 1997.  
Developed semester long lecture & laboratory course (*Plant Anatomy*) for graduate and undergraduate students.

*Field Assistant* studying population genetics of tropical trees in Costa Rica and Panama and columnar cactus in Mexico with Dr. Jim Hamrick. 1996.

*Consultant* for Earth Systems Associates, Ltd., Athens, Georgia. 1995.  
Responsible for plant and soil identification for delineation of wetlands.

*Tax Accountant* for Patrick D. McCarthy, Ltd., Lafayette, LA. 1987 - 1988.

*Tax Specialist* for Peat, Marwick, Main & Co., Princeton, NJ. 1986 - 1987.

*Accountant and Auditor* for Peat, Marwick, Mitchell & Co., Short Hills, NJ. 1983 - 1985.

*Co-investigator* – Distribution of calcareous green algae in the north Atlantic (Azores, Madeira, Canary Islands, British Virgin Islands, and Bermuda). Thomas J. Watson Fellowship. 1981 - 1982.

## PUBLICATIONS (25)

Parker KC, **Trapnell DW**, Hamrick JL, Hodgson WC (2014) Genetic and morphological contrasts between wild and anthropogenic *Agave parryi* var. *huachucensis* populations in south-eastern Arizona. *Annals of Botany*, 113, 939-952.

Kartzinel TR, Shefferson RP, **Trapnell DW** (2013) Relative importance of pollen and seed dispersal across a Neotropical mountain landscape for an epiphytic orchid. *Molecular Ecology*, 22, 6048-6059.

Kartzinel TR, **Trapnell DW**, Shefferson RP (2013) Highly diverse and spatially heterogeneous mycorrhizal symbiosis in a rare epiphyte is unrelated to broad biogeographic or environmental features. *Molecular Ecology*, 22, 5949-5961.

Kartzinel TR, **Trapnell DW**, Shefferson RP (2013) Critical importance of large native trees for conservation of a rare Neotropical epiphyte. *Journal of Ecology*, 101, 1429-1438.

**Trapnell DW**, Hamrick JL, Ishibashi CD, Kartzinel TR (2013) Genetic inference of epiphytic orchid colonization; it may only take one. *Molecular Ecology*, 22, 3680-3692.

Nunziata SO, Karron JD, Mitchell RJ, Lance SL, Jones KL, **Trapnell DW** (2012) Characterization of 42 polymorphic microsatellite loci in *Mimulus ringens* (Phrymaceae) using Illumina sequencing. *AJB Primer Notes & Protocols in the Plant Sciences*. e477-e480.

Kartzinel TR, **Trapnell DW**, Glenn TC (2012) Microsatellite primers for the Neotropical epiphyte *Epidendrum firmum* (Orchidaceae). *AJB Primer Notes & Protocols in the Plant Sciences*. e450-e452.

Tompkins RD, **Trapnell DW**, Hamrick JL, Stringer W (2012) Genetic variation within and among remnant Big Bluestem (*Andropogon gerardii*, Poaceae) populations in the Carolinas. *Southeastern Naturalist*, 11, 455-468.

**Trapnell DW**, Hamrick JL, Negron-Ortiz V (2012) Genetic diversity within a threatened, endemic North American species, *Euphorbia telephioides* (Euphorbiaceae). *Conservation Genetics*, 13, 743-751.

Hamrick JL, **Trapnell DW** (2011) Using population genetic analyses to understand patterns of seed dispersal. *Acta Oecologica*, 37, 641-649.

**Trapnell DW**, Hamrick JL, Parker KC, Braungart KW, Glenn TC (2011) Evaluating the utility of microsatellites for investigations of autopolyploid taxa. *Journal of Heredity*, 102, 473-478.

Parker KC, **Trapnell DW**, Hamrick JL, Hodgson WC, Parker AJ (2010) Inferring ancient *Agave* cultivation practices from contemporary genetic patterns. *Molecular Ecology*, 19, 1622-1637.

Gonzales E., Hamrick JL, Smouse PE, **Trapnell DW**, Peakall, R (2010) The impact of landscape disturbance on spatial genetic structure in the Guanacaste tree, *Enterolobium cyclocarpum* (Fabaceae). *Journal of Heredity*, 12, 133-143.

**Trapnell DW**, Schmidt JP, Hamrick JL (2008) Spatial genetic structure of the southeastern North American endemic, *Ceratiola ericoides* (Empetraceae). *Journal of Heredity*, 99, 604-609.

Peters MB, Hagen C, **Trapnell DW**, Hamrick JL, Rocha O, Smouse P, Glenn T (2008) Isolation and characterization of microsatellite loci in the Guanacaste tree, *Enterolobium cyclocarpum*. *Molecular Ecology Resources*, 8, 129-131.

**Trapnell DW**, Schmidt JP, Quintana-Ascencio PF, Hamrick JL (2007) Genetic insights into the biogeography of the southeastern endemic, *Ceratiola ericoides* (Empetraceae). *Journal of Heredity*, 98, 587-593.

Parker KC, Hamrick JL, Hodgson WC, **Trapnell DW**, Parker AJ, Kuzoff RK (2007) Genetic consequences of pre-Colombian cultivation for *Agave murpheyi* and *A. delamateri* (Agavaceae). *American Journal of Botany*, 94, 1479-1490.

**Trapnell DW**, Hamrick JL (2006) Floral display and mating patterns within populations of the neotropical epiphytic orchid, *Laelia rubescens*. *American Journal of Botany*, 93, 1010-1018.

**Trapnell DW**, Hamrick JL (2006) Variety of phorophyte species colonized by the neotropical epiphyte, *Laelia rubescens* (Orchidaceae). *Selbyana*, 27, 60-64.

Schuettpelez E, **Trapnell DW** (2006) Exceptional epiphyte diversity on a single tree in Costa Rica. *Selbyana*, 27, 65-71.

**Trapnell DW**, Hamrick JL (2005) Mating patterns and gene flow in the neotropical epiphytic orchid, *Laelia rubescens*. *Molecular Ecology*, 14, 75-84.

**Trapnell DW**, Hamrick JL (2004) Partitioning nuclear and chloroplast variation at multiple spatial scales in the neotropical epiphytic orchid, *Laelia rubescens*. *Molecular Ecology*, 13, 2655-2666.

**Trapnell DW**, Hamrick JL, Nason JD (2004) Three-dimensional fine-scale genetic structure of the neotropical orchid, *Laelia rubescens*. *Molecular Ecology*, 13, 1111-1118.

**Trapnell DW**, Hamrick JL, Giannasi DE (2004) Genetic variation and species boundaries in *Calopogon* (Orchidaceae). *Systematic Botany*, 29, 308-315.

Windsor DM, **Trapnell DW**, Amat G (1996) The capitulum of a neotropical walkingstick, *Calynda bicuspis*, induces aboveground egg dispersal by the ponerine ant, *Ectatomma ruidum*. *Journal of Insect Behavior*, 9, 353-367.

## **PUBICATIONS SUBMITTED**

Kartzinel TR, Campbell DA, **Trapnell DW** (in review) Refugial isolation or ecological differentiation? Haplotype distribution of an epiphytic bromeliad across an elevation gradient in Costa Rica. *Annals of Botany*.

Heyduk K, **Trapnell DW**, Barrett CF, Leebens-Mack J (in review) Phylogenomic inference of species relationships within *Sabal* (Arecaceae). *Systematic Biology*.

## **RESEARCH GRANTS PENDING**

NSF BCS - GSS. *Phylogeography of Pawpaw - Natural vs. anthropogenic post glacial maximum dispersal of a Native American food source.*

NSF DEB – Evolutionary Ecology. *CAREER: Plant Dispersal to an Isolated Oceanic Island - Patterns and Causes.*

## **RESEARCH GRANTS**

UGA Faculty Research Grant. *Role of lemur mediated seed dispersal in the rainforests of Ranomafana National Park, Madagascar.* \$9588. 2011 - 2012.

NSF Doctoral Dissertation Improvement Grant – Population and Community Ecology (Co-PI: Tyler Kartzinel). *The influence of landscape heterogeneity and mycorrhizal fungi on the distribution of an epiphytic orchid and its genetic variation*. \$14,986. 2011 - 2012.

UGA OVPR Foreign Travel Award. *Genetic reconstruction of colonization patterns of the Neotropical epiphytic orchid, Brassavola nodosa*. International Botanical Congress XVIII, Melbourne, Australia. \$2025. 2011.

UGA Faculty Research Grant. *Impact of Long Distance Seed Dispersal on the Evolutionary History of Island Flora: Phase 1 – Identification of Progenitor Taxa*. \$9988. 2010 - 2012.

Exposition Foundation Latin America/Caribbean Research Travel Grant. *Genetic Reconstruction of Colonization Patterns of the Neotropical Epiphytic Orchid, Brassavola nodosa*. 2009.

U.S. Fish and Wildlife Service. *Levels and distribution of genetic diversity within and among populations of Euphorbia telephoides, a Florida panhandle endemic*. (Co-PI: J.L. Hamrick). 2007 - 2008.

National Science Foundation Doctoral Dissertation Improvement Grant – Population Biology (J.L. Hamrick was dissertation advisor and PI). *Dispersal, Breeding Patterns, and Genetic Structure of an Epiphytic Orchid*. 2001 - 2003.

Andrew W. Mellon Foundation - Organization for Tropical Studies Research Award. *Analysis of Founder Effect of Two Neotropical Orchids*. 2002.

International Travel Award, University of Georgia. *Breeding Patterns of an Epiphytic Orchid* presented at the Annual Meeting of the Association for Tropical Biology, Panama City, Panama. 2002.

Sigma Xi Grants-in-Aid of Research Award. *Dispersal, Breeding Patterns, and Genetic Structure of an Epiphytic Orchid*. 2000.

Andrew W. Mellon Foundation - Organization for Tropical Studies Research Fellowship. *Hierarchical Genetic Structure of the Epiphytic Orchid, Laelia rubescens*. 2000.

University of Georgia Botany Department Palfrey Grant for Research. *Genetic Structure of the Tropical Epiphytic Orchid, Laelia rubescens Lindley*. 1999.

International Canopy Network Travel Award. Second International Forest Canopy Conference, Sarasota, Florida. 1998.

University of Georgia Botany Department Palfrey Grant for Research. *Systematic Review of Calopogon (Orchidaceae)*. 1994.

## HONORS AND AWARDS

*Distinguished Scholar*, Kings Park and Botanic Garden, Perth, Australia. 2014.

*National Academies Education Fellow in the Life Sciences*. 2014.

*Distinguished Dissertation Award Nominee* - by the University of Georgia for the Council of Graduate Schools/University Microfilms International competition. 2005.

*Sigma Xi Outstanding Ph.D. Dissertation Award Nominee* - by the Department of Plant Biology. 2004.

*University of Georgia Excellence in Graduate Student Research Award Nominee* - by the Department of Plant Biology. 2004.

*Department of Plant Biology Wilbur Duncan Award for Outstanding Graduate Student Nominee*. 2004.

*Botanical Society of America - Karling Graduate Student Research Award*. 2000.

*National Science Foundation "Mechanisms in Plant Evolution" Training Grant Fellow*, University of Georgia. 1997 - 2003.

*Graduate School University-wide Assistantship Award*, University of Georgia. 1991 - 1994.

*Palfrey Academic Enrichment Award*, University of Georgia. 1991.

## PROFESSIONAL TRAINING

*National Academies Education Fellow in the Life Sciences*. Participant in the National Academies Southeast Summer Institute on Undergraduate Education in Biology, Athens, Georgia. 2013.

*Microsatellite Workshop*, University of Georgia. 2003.

*Tropical Plant Systematics*, Organization for Tropical Studies, University of Costa Rica. Summer 2002.

*Jurisdictional Wetland Delineation and Functional Assessment*, University of Georgia. 1994.

*Tropical Diversity*, Organization for Tropical Studies, University of Costa Rica. Summer 1992.

Certified Public Accounting license awarded by the state of New Jersey. 1986.

## TEACHING EXPERIENCE

- Instructor, *Teaching Seminar for Life Sciences Graduate TAs* (GRSC 7770). UGA. 2012.
- Instructor, *Orchid Biology and Evolution Seminar* (PBIO 8800). UGA. 2012.
- Instructor, *Evolutionary Mechanisms* (GENE 6000). UGA. 2009 – 2014 annually.
- Instructor, *Evolutionary Mechanisms Seminar* (PBIO 8700). UGA. 2009, 2010, 2011 and 2012.
- Instructor, *Evolutionary Biology* (GENE/BIOL 3000). UGA Costa Rica Tropical Ecology Semester Program. 2009.
- Guest Lecturer, *Honors Science* (HONS 2070). UGA. 2007 and 2008.
- Guest Lecturer, *Conservation Biology* (ECOL 3530). UGA. 2007 and 2008.
- Instructor, *Evolutionary Biology* (GENE 3000). UGA. 2005.
- Instructor, *Plant Anatomy* (BOT 4230/6230). UGA. 1996 and 1997.
- Teaching Assistant. University of Georgia.
  - Introductory Botany*. 1994.
  - Plant Taxonomy*. 1993.
  - Plant Anatomy*. 1992.
  - Plant Taxonomy*. 1992.

## MENTORING - GRADUATE

### *Graduate Students Advised:*

- Ph.D. (in progress) – Graham E. Wyatt\*, Plant Biology, UGA.
- Ph.D. – Tyler R. Kartzinel, Ecology, UGA. Graduated 2012.

### *Graduate Student Committees:*

- Ph.D. – Haoxi Li, Plant Pathology, UGA. In progress.
- Ph.D. – Jason Comer, Plant Biology, UGA. In progress.
- Ph.D. – Sydney E. Everhart, Plant Pathology, UGA. Graduated 2012.
- Ph.D. – Luanna Prevost, Plant Biology, UGA. Graduated 2011.

*Graduate Student Mentoring:* Matthew Miller. Provided training in molecular lab techniques. 2006 - 2007.

*\*Indicates students from underrepresented groups in the sciences.*

## GRADUATE STUDENT ACHEIVEMENTS

### *Tyler Kartzinel (Ph.D.):*

Postdoctoral Research Associate. Princeton University [Robert M. Pringle Laboratory]. 2013.

IDEA WILD Award. Compound Microscope (\$250 value). 2010.

Exploration Fund Grant, Explorer's Club. \$2500. 2010.

Lewis and Clark Fund for Exploration and Field Research (American Philosophical Society). \$2,700. 2009.

Odum School of Ecology Grant for Graduate Research. *Revealing Cryptic Processes to -Protect Canopy Foundation Species: Impacts of Deforestation on Epiphytic Orchids and Bromeliads*. \$1500. 2009.

Tinker Award (LACSI). *Forest Fragmentation Impacts on Epiphytic Orchids and Bromeliads: Understanding Cryptic Processes to Protect Foundation Species*. \$1660. 2009.

Sigma Xi Grants-in-Aid of Research Award. \$400. 2009.

NSF Graduate Research Fellowship Program. *Canopy Conservation: Epiphyte Colonization in Disturbed Tropical Cloud Forests*. Honorable Mention. 2009.

Orchid Conservation, Bosque de Paz Biological Reserve, Costa Rica. \$120. 2009.

Presidential Fellowship Award. University of Georgia. 2007 - present.

## **MENTORING - UNDERGRADUATE**

Provided training in molecular lab techniques and research experience to:

Dan Bui	Fall 2014
Kirsten Allen*	Fall 2014
Lura Lockard	Summer 2014 – present.
Dhruva Patel	Fall 2013 – Spring 2014.
Najee Dowlen*	Fall 2013 – Spring 2014.
Adam Finlay	Fall 2013.
Tiffany Dumas*	Fall 2012 – Spring 2013.
Delaney Kolich	Fall 2012 – Spring 2013.
Pomi Yun	Fall 2011 – Spring 2013.
Rahul Kadakia	Fall 2011 – Spring 2012.
Francis Musa*	Fall 2011.
Drew Collins	Fall 2006 – Spring 2007.
Judson Hale	Fall 2004 – Spring 2007.

Rafael Fernandez-Casas\* through the NSF and NESCent supported Undergraduate Diversity at SSE/SSB program. 2008.

Elaine Vo\* through the NSF and NESCent supported Undergraduate Diversity at SSE/SSB program. 2008.

*\*Indicates students from underrepresented groups in the sciences.*



## MENTORING – HIGH SCHOOL

Jacson Moody\*. Provided training in molecular lab techniques and microsatellite use. Young Dawg Program, UGA. 2011.

\* *Indicates students from underrepresented groups in the sciences.*

## INVITED SEMINARS

*The Role of Seed Dispersal and Colonization in Orchid Conservation.* Kings Park and Botanic Garden, Perth, Australia. 2014.

*Neotropical Orchid Colonization of Disturbed Habitats,* University of South Carolina Aiken, Aiken, S.C. 2010.

*Orchids and Their Conservation Genetics,* University of South Carolina Beaufort, Bluffton, S.C. 2010.

*Pollen and Seed Movement in a Neotropical Epiphytic Orchid,* National Museum of Natural History, Smithsonian Institute, Washington, D.C. 2004.

Chaired contributed papers section, *Genetics and Evolution,* at Annual Meeting of the Association for Tropical Biology and Conservation, Miami, Florida. 2004.

*Gene Dispersal via Pollen and Seeds in a Costa Rican Epiphytic Orchid,* Savannah River Ecology Lab, Aiken, S.C. 2004.

*Making the Environment Your Business,* Colgate University, Hamilton, N.Y. 1995.

## INVITED SYMPOSIA

\**Presenter*

Hamrick JL\*, **Trapnell DW.** *Patterns of Genetic Diversity within the Monocots.* Symposium - Monocots under the Magnifying Glass: Speciation and Population Biology in the Monocotyledons. Monocots V: 5<sup>th</sup> International Conference on Comparative Biology of Monocotyledons, New York, NY. 2013.

**Trapnell DW\***. *Long-term patterns of fruit production in Enterolobium cyclocarpum among years and landscapes.* Symposium – The Reproductive Biology of a Neotropical Tree, *Enterolobium cyclocarpum*; The National Tree of Costa Rica. 50<sup>th</sup> Anniversary Meeting, Association for Tropical Biology and Conservation & Organization for Tropical Studies. San Jose, Costa Rica. 2013.

Hamrick JL\*, **Trapnell DW.** *Using population genetic analyses to understand patterns of seed dispersal.* 5th International Symposium-Workshop on Frugivores and Seed Dispersal, Montpellier, France. 2010.

## PRESENTATIONS

**Trapnell DW\***. *The role of seed dispersal and colonization in orchid conservation*. 5<sup>th</sup> International Orchid Conservation Congress, Saint-Denis, Ile de La Réunion. 2013. [Oral]

Heyduk K\*, **Trapnell DW**, Leebens-Mack J. *Estimating relationships among Sabal (Coryphoideae, Arecaceae) species through the analysis of gene capture data*. Monocots V: 5<sup>th</sup> International Conference on Comparative Biology of Monocotyledons, New York, New York. 2013. [Poster]

Heyduk K\*, **Trapnell DW**, Leebens-Mack J. *Estimating relationships among Sabal species through the analysis of gene capture data*. Botanical Society of America, New Orleans, Louisiana. 2013. [Oral]

Ishibashi CD\*, Kartzinel TR, **Trapnell DW**. *Chloroplast DNA sequencing reveals deep phylogeographic split among populations of the lady of the night orchid, Brassavola nodosa in northwestern Costa Rica*. 73<sup>rd</sup> Annual Meeting of the Association of Southeastern Biologists, Athens, Georgia. 2012. [Oral]

Kartzinel TR\*, Shefferson RP, **Trapnell DW**. *Phylogeographic structure of the Neotropical epiphytic orchid Epidendrum firmum corresponds to differences in symbiotic fungal communities*. 97<sup>th</sup> Annual Meeting of the Ecological Society of America, Portland, Oregon. 2012. [Oral]

Ishibashi CDA\*, Kartzinel TR, **Trapnell DW**. *Chloroplast DNA sequencing reveals deep phylogeographic split among populations of the lady of the night orchid, Brassavola nodosa in northwestern Costa Rica*. 97<sup>th</sup> Annual Meeting of the Ecological Society of America, Portland, Oregon. 2012. [Poster]

**Trapnell DW\***, Hamrick JL, Ishibashi C, Kartzinel TR. *Congruent patterns of nuclear and chloroplast variation in two Neotropical epiphytic orchids*. Annual Meeting of the Society for the Study of Evolution, Ottawa, Canada. 2012. [Oral]

Heyduk K\*, **Trapnell DW**, Leebens-Mack J. *A gene capture approach for determining species relationships within Sabal*. Botanical Society of America, Columbus, Ohio. 2012. [Poster]

Ishibashi CDA\*, Kartzinel TR, **Trapnell DW**. *Chloroplast DNA sequencing reveals deep phylogeographic split among populations of the lady of the night orchid, Brassavola nodosa in northwestern Costa Rica*. UGA Plant Biology Department Research Symposium. 2012. [Poster]

Kartzinel TR\*, Bunch WD, Cowden CC, **Trapnell DW**, Shefferson RP. *Diverse suites of mycorrhizal fungi vary among populations of the rare Neotropical lady's slipper orchid, Phragmipedium longifolium*. 96<sup>th</sup> Annual Meeting of the Ecological Society of America, Austin, Texas. 2011. [Poster]

**Trapnell DW\***, Hamrick JL. *Genetic reconstruction of colonization patterns of the Neotropical epiphytic orchid, Brassavola nodosa*. XVIII International Botanical Congress, Melbourne, Australia. 2011. [Oral]

**Trapnell DW\***, Hamrick JL. *Using genetic relatedness approaches to reconstruct colonization patterns*. Post-XVIII International Botanical Congress Workshop: New research tools for illuminating the ecology and evolution of orchids, Melbourne, Australia. 2011. [Oral]

Parker KC\*, **Trapnell DW**, Hamrick JL. *Inferring ancient Agave cultivation practices from contemporary genetic patterns*. 107<sup>th</sup> Annual Meeting of the Association of American Geographers, Seattle, Washington. 2011. [Oral]

Kartzinel TR\*, Bunch WD, Cowden CC, **Trapnell DW**, Shefferson RP. *Diverse suites of mycorrhizal fungi vary among populations of the rare Neotropical Lady's Slipper orchid, Phragmipedium longifolium*. Southeastern Ecology and Evolution Conference, Auburn, Alabama. 2011. [Oral]

**Trapnell DW\***, Hamrick JL. *Genetic reconstruction of colonization patterns of the Neotropical epiphytic orchid, Brassavola nodosa*. Annual Meeting of the Society for the Study of Evolution, Portland, Oregon. 2010. [Oral]

**Trapnell DW\***, Hamrick JL. *Spatial genetic structure of a Neotropical orchid on lava flows of different ages*. Southeastern Population Ecology and Evolutionary Genetics, Eatonton, Georgia. 2008. [Oral]

**Trapnell DW\***, Hamrick JL. *Spatial genetic structure of a Neotropical orchid on lava flows of different ages*. Annual Meeting of the Society for the Study of Evolution, Minneapolis, Minnesota. 2008. [Oral]

**Trapnell DW\***, Hamrick JL. *Pollen and seed dispersal of an epiphytic orchid across a highly fragmented landscape*. Institute of Ecology, University of Georgia. 2006. [Oral]

**Trapnell DW\***, Hamrick JL. *Pollen and seed movement in a Neotropical epiphytic orchid*. Annual Meeting of the Association for Tropical Biology and Conservation, Miami, Florida. 2004. [Oral]

**Trapnell DW\***, Hamrick JL. *Pollen and seed movement in a Neotropical epiphytic orchid*. Annual Meeting of the Society for the Study of Evolution, Fort Collins, Colorado. 2004. [Oral]

**Trapnell DW\***, Hamrick JL. *Mating patterns, gene flow, and partitioning of nuclear and chloroplast variation in an epiphytic orchid*. Southeastern Ecology and Evolution Conference, Atlanta, Georgia. 2004. [Oral]

**Trapnell DW\***, Hamrick JL. *Breeding patterns of a tropical epiphytic orchid*. Annual Meeting of the Society for the Study of Evolution, Chico, California. 2003. [Oral]

**Trapnell DW\***, Hamrick JL. *Breeding patterns of an epiphytic orchid*. Annual Meeting of the Association for Tropical Biology, Panama City, Panama. 2002. [Oral]

**Trapnell DW\***, Hamrick JL, Nason JD. *Fine-scale genetic structure of an epiphytic orchid*. Annual Meeting of the Society for the Study of Evolution, Knoxville, Tennessee. 2001. [Oral]

## **PUBLIC FORUMS**

*The Amazing World of Orchids*, Reynolds Plantation, Greensboro, Georgia. 2008.

*Botanical Diversity of Costa Rica*, Bermuda Botanical Society, Hamilton, Bermuda. 2004.

## **PROFESSIONAL SERVICE**

*Member of International Working Group for the Friends of Nakanai*, East New Britain, Papua New Guinea. 2013.

*Organization for Tropical Studies*, Audit Committee member. 2010 - present.

*Organization for Tropical Studies*, Assembly of Delegates representative for the University of Georgia. 2009 - present.

## **EXTERNAL EXAMINER – AUSTRALIA NATIONAL UNIVERSITY**

Ph.D. Dissertation of Michael R. Whitehead (under direction of Rod Peakall). *The Evolutionary Biology of Pollination: Studies in a Genus of Australian Sexually Deceptive Orchids*. 2012.

## **OUTSIDE REVIEWER – PEER REVIEWED JOURNALS**

*American Journal of Botany*  
*Annals of Botany*  
*Arctic, Antarctic, and Alpine Research*  
*Biochemical Genetics*  
*Biological Invasions*  
*Biotropica*  
*Botanical Journal of the Linnean Society*  
*Conservation Genetics*  
*Ecology and Evolution*  
*Evolutionary Ecology*  
*Functional Ecology*  
*Heredity*  
*International Journal of Plant Sciences*

*Journal of Applied Ecology*  
*Journal of Biogeography*  
*Journal of Ecology*  
*Journal of Heredity*  
*Journal of Vegetation Science*  
*Molecular Ecology*  
*Molecular Ecology Resources*  
*Perspectives in Plant Ecology, Evolution and Systematics*  
*Plant Systematics and Evolution*

#### **OUTSIDE REVIEWER – OTHER**

National Science Foundation – Division of Environmental Biology  
– Program in Field Stations and Marine Laboratories.

Book review for the *Journal of the Torrey Botanical Society*. 2005.

#### **UNIVERSITY OF GEORGIA SERVICE**

Interdisciplinary Life Sciences Program, Plant Ecology and Evolution Interest Group  
Leader. 2012 – present.

Plant Biology Department Seminar Committee. 2010 – present.

Division of Biological Sciences Curriculum Committee. 2006 - 2010.

Biological Sciences Executive Committee. 2007 - 2010.

Evolution, Ecology and Organismal ILS Umbrella Committee. 2007 - 2010.

Odum School of Ecology – Executive Committee. 2007 - 2010.

Odum School of Ecology – Graduate Program Committee. 2007 - 2010.

Odum School of Ecology – Undergraduate Program Committee. 2007 - 2010.

Odum School of Ecology – Strategic Planning Committee. 2007

Odum School of Ecology – Ad Hoc Assessment Committee. 2007.

Odum School of Ecology – Ad Hoc Administrative Structure Committee. 2007.

College of Environment Executive Committee. 2006 - 2007.

Biological Sciences Renovation Committee. 2006.

Institute of Ecology – Undergraduate Program Committee. 2006.

#### **PUBLIC SERVICE AND OUTREACH**

Member and Scientific Advisor – International Working Group for Friends of Nakanai in  
Papua New Guinea. 2013.

Instructor – Botanical Watercolor Illustration, The State Botanical Garden of Georgia,  
Athens, GA. 2013.

#### **PROFESSIONAL AFFILIATIONS**

Association for Tropical Biology and Conservation

Botanical Society of America

Organization for Tropical Studies

Society for the Study of Evolution