

# CURRICULUM VITAE

**Pamela S. Soltis**  
**Distinguished Professor and Curator**  
Florida Museum of Natural History  
University of Florida  
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**Birthdate:** 13 November 1957. Nelsonville, Ohio

**Home Address and Phone:** 2710 NW 26<sup>th</sup> Place  
Gainesville, FL 32605  
(352) 373-5587

**Education:** Graduated Pella High School, Pella, Iowa, 1976, Valedictorian  
National Merit Finalist, 1976  
B. A. (Biology), Central College, 1980, summa cum laude  
M. Phil. (Botany), University of Kansas, 1984, with Honors  
Ph.D. (Botany), University of Kansas, 1986

**Present Position:**

Curator, Florida Museum of Natural History, University of Florida, 2000-  
Distinguished Professor, Florida Museum of Natural History, University of Florida,  
2007-

**Previous Positions:**

Co-Director, UF Computational Biology Program, 2009-12  
University of Florida Research Foundation Research Professor, 2006-09  
Assistant Professor, Department of Botany, Washington State University, 1986-92  
Associate Professor, Department of Botany, Washington State University, 1992-98  
Professor, Department of Botany/School of Biological Sciences, Washington State  
University, 1998-2000

**Professional Service:**

*Society Service:*

Strategic Planning Committee, Botanical Society of America, 2014  
Merit Awards Committee, Botanical Society of America, 2013-15  
Nominating Committee, Society of Systematic Biologists, 2009-11  
President-Elect, President, Past President, Botanical Society of America, 2006-09

Co-organizer, Women in Botany Luncheon and Program, Botanical Society of America, 2008, 2009  
Committee on Underrepresented Groups, Botanical Society of America, 2006-  
Executive Board, Council of Scientific Society Presidents, 2007-09  
President-Elect, President, Past President, Society of Systematic Biologists, 2004-07  
Review Committee, Mini-Peet Grants, Society of Systematic Biologists, 2003  
Secretary, Botanical Society of America, 1997-2000  
Executive Committee, Green Plant Phylogeny Research Coordination Group, 1998-2002  
Council Member, American Genetics Association, 2000-2003  
Organizer, Symposium for the Society of Systematic Biologists, "Phylogenetic Analysis  
of Large Data Sets," 1997 (with D. E. Soltis)  
Council Member, Society for the Study of Evolution, 1993-96  
Council Member, American Society of Plant Taxonomists, 1993-96  
Honors Committee, American Society of Plant Taxonomists, 1993-95; Chair, 1994-95  
Judge for Mayr Award for Best Student Paper, Society of Systematic Biologists Annual  
Meeting, 1994  
Judge for Cooley Award for Best Paper, American Society of Plant Taxonomists Annual  
Meeting, 1994; Chair, 1995  
Trustee, Northwest Scientific Association, 1992-95  
Co-Organizer, Symposium for the American Society of Plant Taxonomists, "Alternative  
Genes for Phylogenetic Reconstruction," 1993 (with D. E. Soltis)  
Committee on Membership and Appraisal, Botanical Society of America, 1991-96  
Session chair at annual meeting of American Society of Plant Taxonomists (in  
conjunction with American Institute of Biological Sciences), 1988

*Editorial Service:*

Associate Editor, *The Plant Cell*, 2015-  
Associate Editor, *Applications in Plant Sciences*, 2013-  
Editor, *American Journal of Botany Primer Notes and Protocols*, 2009-13  
Editor, *PLoS Currents Tree of Life*, 2010-  
Subject Editor, *PhytoKeys*, 2010-  
Associate Editor, *Frontiers in Plant Genetics and Genomics*, 2010-13  
Editorial Board, *BMC Plant Biology*, 2006-  
Associate Editor, *Evolution*, 2003-2007  
Associate Editor, *Systematic Biology*, 2001-2007  
Associate Editor, *Journal of Evolutionary Biology*, 2002-2005  
Associate Editor, *Molecular Phylogenetics and Evolution*, 2000-2004  
Associate Editor, *Molecular Biology and Evolution*, 1997-2001  
Editorial Board, *American Journal of Botany*, 1999-2001  
Editorial Board, *Taxon*, 2000-  
Editorial Board, *Madrono*, 1995-  
Assigning Editor, *Conservation Biology*, 1994-97  
Special Papers Editorial Committee, *American Journal of Botany*, 1993-96

*Review Panels:*

National Science Foundation, Advances in Biological Informatics, 2013

Austrian Science Fund, International Jury, Vienna, Austria, 2011-14  
German National Science Foundation, Frankfurt, Germany, 2010  
National Science Foundation Plant Genome Site Visit Panel, 2006  
National Science Foundation Plant Genome Site Visit Panel, 2004  
National Science Foundation Panel, Frontiers in Biological Research, 2003, 2004  
National Science Foundation Panel, Population Biology, 1997, 1998, 1999  
National Institutes of Health, Genetic Basis of Disease Review Committee, 1995-99  
National Science Foundation Panel, Systematic Biology, 1992-93  
National Science Foundation Panel, Presidential Young Investigator Awards, 1992  
National Institutes of Health, Site Visit Team, Genetics Training Grant, 1992, 1993

*Other Professional Service:*

International Experts Review Committee, Institute of Botany, University of Zurich, 2013  
Phi Beta Kappa, Visiting Scholar, 2007-08  
Review Board, Missouri Botanical Garden, 2006  
Review Board, Royal Botanic Garden, Kew, 2006  
External Reviewer, Systematic Botany Search Committee, Gotenborg University, 2006  
External Reviewer, Systematic Botany Search Committee, University of Zurich, 2006  
Opponent for Dissertation Defense of Jenny Smedmark, Stockholm University, 2004  
Opponent for Dissertation Defense of Lena Struwe, Stockholm University, 1999  
Review Board, New York Botanical Garden, 1999

*University Service, University of Florida:*

Director, UF Biodiversity Initiative, 2014-  
UF President's Task Force on Goals for UF  
UF Genetics Institute Strategic Planning Committee, 2014-  
Search Committee, Department of Biology Biodiversity Modeler, 2014-  
Search Committee, Director of the UF Informatics Institute, 2014  
Search Committee Chair, Biodiversity Informatics Curator Search Committee, 2013-14  
Graduate Council, 2013-  
Harn Museum of Art Faculty Council, 2012-15  
Mentoring Committee, Asst. Curator Neill Wallis, 2011-  
Mentoring Committee, Asst. Curator Akito Kawahara, 2011-  
Search Committee, Director of the UF Genetics Institute, 2011-12  
Academic Personnel Board (University Committee on Tenure and Promotion), 2011  
Selection Committee, Excellence Awards for Assistant Professors, 2011, 2014  
Co-Director, UF Computational Biology Initiative, 2009-12  
Lead Organizer, 1st Annual Computational Biology Symposium and Workshop, 2009-10  
Advisory Council, Department of Biology, 2009-12  
Chair, Florida Archaeology Curator Search Committee, FLMNH, 2009-10  
Biodiversity Institute Planning Committee, FLMNH, 2009  
Mentoring Committee, Assoc. Curator R. Beaman, 2008-14  
Graduate Student Admissions Committee, Program in Genetics and Genomics, 2008-  
Computational Biology Committee, 2008-09  
Mentoring Committee, Asst. Curator N. Cellinese, 2007-13  
Undergraduate Minority Mentoring Program, 2006-07

Mentoring Committee, Asst. Curator P. Goldstein, 2006-08  
Mentoring Committee, Asst. Curator D. Reed, 2006-09  
Department of Botany, Graduate Student Advisory Committee, 2006-08  
Department of Botany, Comparative Genomics Search Committee, 2006-07  
UF Howard Hughes Medical Institute Science for Life Program, Selection Committee for Distinguished Mentors, 2006-07; Chair for 2<sup>nd</sup> competition, spring, 2007; Chair for 3<sup>rd</sup> competition, fall, 2007; Chair for 4<sup>th</sup> competition, spring, 2009; Chair for 5<sup>th</sup> competition, spring, 2010  
Review Committee, UF preproposals to NSF International Collaborators Panel, 2006  
UF Genetics Symposium 2006, Organizing Committee, 2005-06  
UF Genetics Institute Research Proposal Selection and Monitoring Committee, 2005-06  
Search Committee, Director of Interdisciplinary Center for Biotechnology Research, 2005-06  
Natural History Advisory Committee, Florida Museum of Natural History, 2004-13  
Scientific Advisory Committee, Interdisciplinary Center for Biotechnology Research, 2003-06  
Department of Botany, Space Committee, 2003-06  
Chair, Vertebrate Paleontology Curator Search Committee, FLMNH, 2002-03  
Mentoring Committee, Asst. Curator K. Emery, 2002-09  
Strategic Planning Committee, FLMNH, 2001-08  
UF Genetics Institute, Executive Committee, 2000-present

*University Service, Washington State University:*

Advisory Board, Center for Teaching, Learning, and Technology, 1999-2000  
Review Committee, Dean of Sciences Five-Year Review, 1999-2000  
University Teaching Assistant Training Committee, Chair, 1999-2000  
Animal Population Biologist Search Committee Chair, 1999-2000  
University Graduate Studies Committee, 1998-2000  
Life Sciences Curriculum Committee, 1998-2000  
Mentoring Committee, Asst. Professor P. Carter, 1997-2000  
Mentoring Committee, Asst. Professor M. Morgan, 1997-2000  
College of Sciences Faculty Council, 1997-2000  
Science Library Advisory Committee, 1996-97  
Evolutionary Geneticist Search Committee, 1995-96  
Mini-Grant Review Committee, 1993-94  
Herbarium Director Search Committee, 1992-93  
Division of Sciences Curriculum Committee, 1991-93  
Land Use Representative to Arboretum Committee, 1991-92  
Evolutionary Geneticist Search Committee, 1988-89  
Search Committee, Director of Libraries, 1989-90  
Land Use Committee, 1987-93; Chair, 1992-93

**Awards and Honors:**

Graduated summa cum laude in Biology, Central College, 1980  
Passed Ph.D. Oral Comprehensive Examination with Honors, 1984

Eloise Gerry Merit Award, “A Molecular Investigation of Polyploidy in *Tragopogon* (Compositae),” 1988  
Department of Botany Teaching Excellence Award, Washington State University, 1998  
R. Dahlgren International Prize in Botany, Royal Physiographic Society of Lund, Sweden, 2002 (co-recipient with D. Soltis)  
University of Kansas, Division of Biological Sciences Speaker, 2004  
University of Kansas, Women’s Hall of Fame, 2004  
Stebbins Medal, International Association of Plant Taxonomists, 2005 (with D. Soltis, P. Endress, M. Chase, for *Phylogeny and Evolution of Angiosperms*)  
Botanical Society of America Centennial Award Recipient, 2006  
Asa Gray Award, American Society of Plant Taxonomists, 2006 (with D. Soltis)  
Phi Beta Kappa, 2007  
Botanical Society of America Merit Award, 2010 (with D. Soltis)  
World’s Most Influential Scientific Minds (Thomson Reuters), 2014

### **Fellowships:**

Summer Honors Fellowship, University of Kansas, 1982, \$1000  
Polson Departmental Award, University of Kansas, 1983, \$500  
Dissertation Fellowship, University of Kansas, 1984-85, \$4,600  
Dissertation Fellowship, American Association of University Women Educational Foundation, 1985-86, \$6,300  
Faculty Summer Stipend Award, Office of Grant and Research Development, Washington State University, “Polyploidy and Reticulate Evolution in *Polystichum* from Western North America,” 1987, \$3,000  
Mellon Faculty Fellow, Smithsonian Institution, 1994-95  
US – UK Fulbright Distinguished Professor Award, Royal Botanic Gardens, Kew, and Imperial College, University of London, Silwood Park, 2000-2001  
UF Research Foundation Research Professor, 2006-09  
Visiting Scholar, National Evolutionary Synthesis Center, Duke University, 2011

### **Grants:**

Dissertation Travel Award, University of Kansas Office of Graduate Research, 1984, \$375  
Grant-in-Aid of Research, Society of the Sigma Xi, 1984, \$250  
Susan Adams Award, Division of Biological Sciences, University of Kansas, 1985, \$75  
Sigma Delta Epsilon Graduate Women in Science, Inc., “Gene Duplications for Phosphoglucomutase (PGM) in *Clarkia* (Onagraceae) and their Phylogenetic Implications,” 1986, \$750  
National Science Foundation, “Polyploidy and Reticulate Evolution in *Polystichum* from Western North America,” 1987-1989, \$77,396  
Grant-in-Aid, Office of Grant and Research Development, Washington State University, “Polyploidy and Reticulate Evolution in *Polystichum* from Western North America,” 1987-88, \$7,923

National Science Foundation, Research Experiences for Undergraduates, “Cloning the Chloroplast Genome of *Polystichum munitum*,” 1988, \$8,000

National Science Foundation, Doctoral Dissertation Improvement Grant with Paul G. Wolf, “Phylogenetic Relationships and Speciation Processes in the *Ipomopsis aggregata* Complex (Polemoniaceae),” 1988-90, \$8,250

Hardman Foundation, Inc., “Conservation Genetics of *Lomatium* from Washington,” 1988-89, \$500

National Science Foundation, Research Experiences for Undergraduates, “CpDNA Inheritance in the Fern *Polystichum*,” \$4,000, 1989

National Science Foundation, “A cpDNA Phylogeny of *Lomatium* (Apiaceae): Infrageneric Systematics and a Foundation for Future Studies of Speciation and Endemism,” 1990-93, \$168,588

National Science Foundation (subcontract with University of California, Irvine), “Systematic Relationships in *Schiedea* and *Alsinidendron* (Caryophyllaceae: Alsinoideae) and the Evolution of Dioecy,” S. G. Weller and A. Sakai, PIs, 1990, \$26,426 (subcontract budget) (co-PI with Douglas E. Soltis)

National Science Foundation, Research Experiences for Undergraduates, “Conservation Genetics of *Lomatium* from the Pacific Northwest,” 1990, \$8,000

USFS, Washington Natural Heritage, Nature Conservancy, “Genetic Studies on *Delphinium viridescens*,” 1990-91, \$6,800

USDA/ARS, “CpDNA diversity in *Lens*,” 1989-91, \$10,000

Hardman Foundation, Inc., “Evolutionary Biology of *Streptanthus niger*,” 1991, \$1,000 (co-PI with Michael S. Mayer)

Hardman Foundation, Inc., “DNA Sequence Analysis in *Lomatium laevigatum*: A New Approach to Conservation Genetics,” 1991, \$500

National Science Foundation, Doctoral Dissertation Improvement Grant with Michael S. Mayer, “Speciation Processes in Serpentine Endemics: A Molecular Systematic Study of the *Streptanthus glandulosus* Complex (Cruciferae),” 1991-93, \$9,100

National Science Foundation, “Miocene Fossil DNA: The Potential and Limitations of Molecular Paleobotany,” 1991-93, \$49,761 (with Douglas E. Soltis)

National Science Foundation, Research Experiences for Undergraduates, “ITS Sequence Variation in the Tuberous Lomatiums,” 1992-93, \$5,000

National Science Foundation, Research Experiences for Undergraduates, “Nuclear vs. Cytoplasmic Genetic Diversity in *Lomatium triternatum*,” 1993, \$10,000

National Science Foundation, Doctoral Dissertation Improvement Grant with Joanna L. Schultz, “Evolution in *Linanthus* and *Leptodactylon* (Polemoniaceae): Phylogenetic Relationships and Speciation Processes,” 1994-96, \$7,878

Mellon Foundation, Senior Fellow, Smithsonian Institution, 1994-95, \$95,458 (E. A. Zimmer, PI; D. E. Soltis, co-PI)

Washington State University College of Sciences, Travel Mini-Grant, 1994-95, \$1,800

Washington State University College of Sciences, Research Mini-Grant (D. E. Soltis and J. N. Thompson, co-PIs), 1995-96, \$12,000

National Science Foundation, Biological Instrumentation and Resources, “An Automated DNA Sequencer for Studies of Phylogeny, Population Structure, Coevolution, and Development,” 1996-97, \$62,425 (D. E. Soltis, J. N. Thompson, and L. Hufford, co-PIs)

National Science Foundation, Doctoral Dissertation Improvement Grant with Linda M. Cook, "Polyploid Evolution in *Tragopogon*: Multiple Origins and Mating System Evolution," 1996-98, \$8,333

National Science Foundation, "Angiosperm Phylogeny: Evidence from *rbcL*, 18S rDNA, and *atpB* Sequences," 1997-00, \$70,619 (D. E. Soltis, co-PI)

National Science Foundation, Research Experiences for Undergraduates, "Land Plant Phylogeny Inferred from 26S rDNA Sequences," 1998-99, \$5,000

National Science Foundation, Research Experiences for Undergraduates, "Resolving Relationships among "Lower Eudicots" with 26S rDNA Sequences," 1999-00, \$7,000

National Science Foundation, Doctoral Dissertation Improvement Grant with M. A. Gitzendanner, "Genetic Diversity in Different Forms of Rarity: Computer Models and Empirical Data from *Lomatium* (Apiaceae)," 2000-2001, \$7505

National Science Foundation, Biocomplexity Incubation Activity Grant: "Genome Evolution and Macroevolutionary Diversification in Green Plants," 2000-2004, \$100,000 (D. E. Soltis, co-PI)

National Science Foundation, Research Coordination Network Grant: "Deep Time: A Comprehensive Phylogenetic Tree of Living and Fossil Angiosperms," 2001-2006, \$499,342 (co-PI with D. E. Soltis; D. L. Dilcher, P. S. Herendeen, co-PIs)

National Science Foundation, Plant Genome Program: "The Floral Genome Project: Origin and Evolution of the Floral Genetic Program and Phylogenetic Tools for Evolutionary and Functional Genomics of Angiosperms," 2001-2006, \$7.4 million total (co-PI; C. W. dePamphilis, PI; 10 additional co-PIs)

National Science Foundation, Division of Biological Infrastructure: "A Workshop on Establishing a Comprehensive Database for Plant Systematics," 2004-2005, \$50,000 (D. E. Soltis, N. Cellinese, R. Beaman, co-PIs)

National Science Foundation, Molecular Eukaryotic Genetics: "Patterns of Gene Expression in Recent Allopolyploids of Recurrent Origin," 2004-2006, \$309,281 (co-PI with D. E. Soltis; J. A. Tate, Z. J. Chen, co-PIs)

National Science Foundation, "ATOL: Collaborative Research: Resolving the Trunk of the Angiosperm Tree and Twelve of its Thorniest Branches," 2004-2009, \$865,549 to UF; \$3 million total (co-PI with D. E. Soltis; 12 additional co-PIs)

National Science Foundation, Systematics: "A Workshop on Understanding Species Diversity on Earth - Unifying Field, Museum and Laboratory Scientists in Global Biodiversity Study," 2005-2006, \$55,410 (P. Sierwald, M. J. Sanderson, D. E. Soltis, co-PIs)

National Science Foundation, "Enhancements for the Genetic Resources of the Florida Museum of Natural History," 2006-2011, \$346,401 (D. L. Reed, N. Williams, co-PIs)

National Science Foundation, Systematic Biology: "Systematic Studies of *Tragopogon* (Asteraceae): A Multi-Marker Approach to Untangling Polyploid Complexes," 2006-2009, \$310,011 (co-PI with D. Soltis; 2 additional co-PIs)

National Science Foundation, Plant Genome, "The Ancestral Angiosperm Project," 2006-2009, \$506,490 (PI for UF component; C. W. dePamphilis, PI; \$2 million total budget)

National Science Foundation, Systematic Biology, "Chromosomal evolution, genetic

- diversity, and speciation mechanisms in *Tragopogon* (Asteraceae),” 2009-2012, \$325,064 (co-PI with D. Soltis)
- National Science Foundation, Population and Evolutionary Processes, “Genome evolution in natural populations and synthetic lines of allopolyploids in *Tragopogon* (Asteraceae),” 2009-2011, \$398,794 (co-PI with D. Soltis, B. Barbazuk)
- University of Florida Research Opportunity Fund, “The Enormous Genome Challenge: How and Why Did Gymnosperms Acquire So Much Dna?,” 5/1/09-4/30/11, \$98,800 (co-PI with J. Davis, B. Barbazuk, G. Burleigh, A. Morse)
- National Science Foundation iPlant Collaborative, iPlant Tree of Life (iTOL) Project, 2009-2013 (co-PI; M. Sanderson, University of Arizona, PI; 5 other co-PIs)
- National Science Foundation, Plant Genome, “The *Amborella* Genome: An Evolutionary Reference for Plant Biology,” 2010-2014, \$1.7 million to UF (PI for UF component; C. W. dePamphilis, PI; total budget \$7.4 million)
- National Science Foundation iPlant Collaborative, “iPlant Tree of Life” grant to UF, 2010-12, \$261,338 (D. Soltis, G. Burleigh, co-PIs)
- National Science Foundation, “EAGER: Inferring Pattern and Processes of Genome Evolution Through Cloud Computing,” 2011-2013, \$299,657 (co-PI with G. Burleigh, S. Ranka, T. Kahveci, D. Soltis)
- National Science Foundation, “DISSERTATION RESEARCH: The Evolution of Leaf Developmental Genetics in Carnivorous Pitcher Plants,” 2011-13, \$13,423 (for Nicolas Miles, co-PI)
- University of Florida Research Opportunity Fund, “Proteomic Analysis of Plant Polyploidy,” 5/1/11-4/30/13, \$99,392 (co-PI with S. Chen, B. Barbazuk, D. Soltis)
- National Science Foundation, “Digitization HUB: A Collections Digitization Framework for the 21st Century,” 2011-16, \$11,846,048 (co-PI with L. Page, B. MacFadden, J. Fortes, G. Riccardi)
- National Science Foundation, “Genomic Consequences of Recent and Ancient Allopolyploidy: A Continuum of Ages in *Tragopogon* (Asteraceae),” 2012-14, \$336,390 (co-PI with D. Soltis, B. Barbazuk)
- National Science Foundation, “DISSERTATION RESEARCH: Out of the Bushes and Into the Trees: Alternative Approaches to a Problematic Mint Phylogeny,” 2012-14, \$14,256 (for Grant Godden, co-PI)
- National Science Foundation, “DISSERTATION RESEARCH: Integrating genomic and paleobotanical data for phylogenetic and biogeographic reconstruction in the basal lamiid family Icacinaceae,” 2013-15, \$19,386 (co-PI; for Gregory Stull, co-PI)
- National Science Foundation, “DISSERTATION RESEARCH: Reticulation and chromosomal evolution in Amaryllidaceae tribe Hippeastreae,” 2013-15, \$18,979 (for Nicolas Garcia, co-PI)
- National Science Foundation, “CSBR: Natural History Collections: Building a central database and curation improvements for The McGuire Center for Lepidoptera at the Florida Museum of Natural History,” 2014-17, \$497,364 (co-PI with A. Kawahara (PI), J. Miller, A. Sourakov, K. Willmott)
- National Science Foundation, “DISSERTATION RESEARCH: An integrative genomic



- study of multiple domestication events in squash and pumpkin (*Cucurbita*, Cucurbitaceae),” 2014-16, \$19,461 (co-PI; for Heather-Rose Kates, co-PI)
- National Science Foundation, “DISSERTATION RESEARCH: The developmental genetics of floral size variation in *Saltugilia* (Polemoniaceae): Linking cellular phenotypes, genetics, floral size, and pollinator shifts,” 2014-16, \$19,291 (for Jacob Landis, co-PI)
- National Science Foundation, “Dimensions US-China: Collaborative Research: How historical constraints, local adaptation, and species interactions shape biodiversity across an ancient floristic disjunction,” 2015-19, \$1,199,043 (PI, 7 co-PIs; total budget \$2 million)
- National Science Foundation, “PGRP: Evolution of specialized metabolite biosynthetic pathways in the Lamiaceae: Sources of chemical diversity for molecules essential for human use and plant defense,” 2015-20, \$810,477 to UF (co-PI, R. Buell, Michigan State University, PI; total budget \$4.5 million)
- National Science Foundation, “ABI Innovation: Connecting resources to enable large-scale biodiversity analyses,” 2015-18, \$834,828 to UF (co-PI, D. Soltis, PI; total budget \$1,738,906)
- National Science Foundation, “Transitions and Transcriptomics: a Novel Approach to Understanding Shifts in Floral Developmental Pathways Preceding the Origin of the Pentapetalae,” 2015-18, \$327,599 to UF (Sr. Personnel for post-doc A. Chanderbali; \$694,883 total)

### **Membership in Professional Societies:**

American Genetics Association  
American Society of Plant Taxonomists  
Botanical Society of America  
Florida Native Plant Society  
Sigma Xi  
Society for the Study of Evolution  
Society of Systematic Biologists

### **Major Research Interests:**

Plant systematics and evolutionary genetics; angiosperm phylogeny, methods of phylogenetic analysis, floral genetics, polyploid evolution, phylogeography, speciation mechanisms, molecular evolution, and conservation genetics.

### **Invited Seminars Presented:**

Miami University, 1987  
Humboldt State University, 1987  
University of California-Irvine, 1989  
University of California-Riverside, 1989  
Iowa State University, 1989  
Ohio State University, 1989

University of Victoria, 1989  
Montana State University, 1989  
University of Wyoming, 1989  
University of Washington, 1990  
Ohio University, 1992  
University of British Columbia, 1992  
University of Idaho, 1993  
University of Georgia, 1993  
University of Colorado, 1993  
University of Maryland, 1994  
Smithsonian Institution, 1995  
University of Washington, 1997  
Boise State University, 1999  
Uppsala University, 1999  
Stockholm University, 1999  
Duke University, 1999  
Willamette University, 1999  
Harvard University, 2000  
University of California, Berkeley, 2000  
University of Florida, 2000  
Queen Mary and Westfield College, University of London, 2000  
University of Michigan, 2001 (2 seminars)  
University of St. Andrews, Scotland, 2001  
University of Vienna, 2001  
University of Zurich, 2001 (2 seminars)  
University of Texas, 2001  
University of South Dakota, 2001  
University of British Columbia, 2002  
University of Lund, Sweden, 2002  
University of Copenhagen, 2002  
University of Florida, 2003  
University of Virginia, 2003  
University of Guelph, 2003  
Stockholm University, 2004  
University of Kansas, 2004  
University of California, Santa Cruz, 2005 (2 seminars)  
St. Louis University, 2006  
University of Georgia, 2007 (Winter Evolution Symposium, 2007, and Dept. of Plant  
Biology)  
Brigham Young University, 2007 (Bean Museum Tanner Lecture, 2007)  
Institute of Botany, Chinese Academy of Science, Beijing, 2007  
Texas Tech University, 2007 (2 seminars)  
Howard University, 2007 (2 seminars)  
St. Mary's College of Maryland, 2007  
University of Nebraska, 2008  
Washington University, 2008 (2 seminars)

Boston University, 2008  
Augustana College, 2008 (2 seminars)  
Furman University, 2008 (2 seminars)  
Kansas State University, 2008  
University of Maryland, 2008 (2 seminars, Darwin Celebration Lecture)  
University of Oklahoma, 2009 (2 seminars, Darwin Celebration Lecture)  
University of Hawaii, 2009 (2 seminars)  
University of Vienna, 2010 (2 seminars, Darwin Celebration Lectures)  
Virginia Commonwealth University, 2010 (Darwin Day)  
University of Southern Mississippi, 2010  
Duke University, 2010  
North Carolina State University, 2010 (Wernsman Lecture)  
Fairy Lake Botanical Garden, Shenzhen, China, 2010  
Ball Horticultural Company International Research Conference, 2010  
Leibniz Institute of Plant Genetics and Crop Research, Gatersleben, Germany, 2010  
North Carolina State University, 2011  
Duke University, 2011  
University of California, Davis, 2011  
Institute of Botany, Chinese Academy of Sciences, Beijing, 2012  
Institute of Botany, Chinese Academy of Sciences, Kunming, 2012  
University of New Caledonia, Noumea, New Caledonia, 2012  
University of Florida, ICBR 25<sup>th</sup> Anniversary Celebration, 2012  
University of Kansas, 2013  
University of Florida, Department of Biology, 2013  
Smithsonian Institution, 2103  
Washington University, 2014  
San Diego State University, 2014  
Fudan University, Shanghai, China, 2014  
ChenShan Botanical Garden, Shanghai, China, 2014  
FLMNH Science Café  
Michigan State University, 2014  
UF Women, 2015  
UF's Oak Hammock, 2015  
Harvard University, 2015

### **Invited Workshops:**

Green Plant Phylogeny Research Coordination Group Workshops:

Data Analysis, Baton Rouge, LA, 1996

Selection of Morphological and Molecular Characters, Seattle, WA, 1996

Bryophytes and Pteridophytes, Montreal, Canada, 1997

Plant Phylogeny Symposium and Bryophyte Workshop, Xalapa, Mexico, 1999

Angiosperm Phylogeny Symposium and Workshop, Pullman, WA 1999 (co-organizer)

Deep Time RCN Workshops: 2002, 2003, 2004, 2006 (co-organizer)

NSF Databasing Workshop, Gainesville, FL, 2004 (lead organizer)

NSF Biodiversity Workshop, Washington, DC, 2005 (lead organizer)

NSF, "Where Next with the Tree of Life?," Washington, DC, 2008  
NSF iPlant Grand Challenge Workshop, 2008 (lead organizer)  
NSF Future of Systematics, Durham, NC, 2009  
NSF iPlant Tree of Life (iPTOL) Data Assembly Workshop, Phoenix, AZ, 2009 (lead organizer)  
NSF Future of Evolutionary Biology, Norman, OK, 2011  
NSF/AIBS, "Systematics: Speaking with One Voice," Norman OK, 2011  
NSF, RCN: AIM-UP!, Harvard University, 2013 (presentation)  
NEON National Conference, Gainesville, FL, 2013 (presentation)  
NSF, RCN: AIM-UP!, UC-Berkeley, Asilomar, Ca, 2014 (presentation)  
iDigBio Workshops and Presentations:  
    Annual Summit, 2011  
    Symposium and Workshop, Botany 2012 (organizer)  
    Annual Summit, 2012  
    Annual Summit, 2013  
    Digitization Workshop, Honolulu, HI, 2014 (2 presentations)  
    Enhancing Diversity in the Biological Sciences, University of Central Florida, 2014  
    Enhancing Diversity in the Biological Sciences, Field Museum, Chicago, 2014  
    Data Carpentry Training Workshop, UF, 2014  
    Leveraging Digitization Practices Across Multiple Domains, UC Santa Barbara, 2014  
    Annual Summit, 2014  
    Herbarium Workflows Workshop, Valdosta, GA, 2015

### **Publications:**

- Dorn, P. S. and W. L. Bloom. 1984. Anthocyan variation in an introgressive complex in *Clarkia* (Onagraceae). *Biochemical Systematics and Ecology* 12: 311-314.
- Doyle, J. J., D. E. Soltis, and P. S. Soltis. 1985. An intergeneric hybrid in the Saxifragaceae: Evidence from ribosomal RNA genes. *American Journal of Botany* 72: 1388-1391.
- Soltis, P. S. and D. E. Soltis. 1986. Anthocyanin content in diploid and tetraploid cytotypes of *Tolmiea menziesii* (Saxifragaceae). *Systematic Botany* 11: 32-34.
- Soltis, D. E. and P. S. Soltis. 1986. Intergeneric hybridization between *Conimitella williamsii* and *Mitella stauropetala* (Saxifragaceae). *Systematic Botany* 11: 293-297.
- Soltis, D. E. and P. S. Soltis. 1986. Electrophoretic evidence for inbreeding in the fern *Botrychium virginianum* (Ophioglossaceae). *American Journal of Botany* 73: 588-592.
- Soltis, P. S. 1986. Anthocyanidin variation in *Clarkia* (Onagraceae). *Biochemical Systematics and Ecology* 14: 487-489.
- Soltis, D. E. and P. S. Soltis. 1986. Active enzymes from megaspores of *Marsilea* and *Regnellidium*. *American Fern Journal* 76: 17-20.
- Soltis, P. S. 1986. Heritability estimates and genetic and environmental correlations of morphometric traits in *Clarkia* (Onagraceae). *Theoretical and Applied Genetics* 73: 88-93.
- Soltis, P. S. and W. L. Bloom. 1986. Genetic variation and estimates of gene flow in *Clarkia speciosa* subsp. *polyantha*. *American Journal of Botany* 73: 1677-1682.
- Soltis, P. S. and D. E. Soltis. 1987. Population structure and estimates of gene flow in the homosporous fern *Polystichum munitum*. *Evolution* 41: 620-629.
- Soltis, D. E. and P. S. Soltis. 1987. Breeding system of the fern *Dryopteris expansa*: Evidence for mixed-mating. *American Journal of Botany* 74: 504-509.

- Soltis, P. S., D. E. Soltis, and L. D. Gottlieb. 1987. Phosphoglucosyltransferase gene duplications and their phylogenetic implications in *Clarkia* (Onagraceae). *Evolution* 41: 667-671.
- Soltis, D. E. and P. S. Soltis. 1987. Polyploidy and breeding systems in homosporous Pteridophyta: A reevaluation. *American Naturalist* 130: 219-232.
- Soltis, P. S., D. E. Soltis, and E. R. Alverson. 1987. Electrophoretic and morphological confirmation of interspecific hybridization between *Polystichum kruckebergii* and *P. munitum*. *American Fern Journal* 77: 42-49.
- Soltis, D. E. and P. S. Soltis. 1988. Are lycopods with high chromosome numbers ancient polyploids? *American Journal of Botany* 75: 238-247.
- Soltis, P. S. and D. E. Soltis. 1988. Genetic variation and population structure in *Blechnum spicant* (Blechnaceae) from western North America. *American Journal of Botany* 75: 37-44.
- Soltis, P. S. and D. E. Soltis. 1988. Estimated rates of intragametophytic selfing in lycopods. *American Journal of Botany* 75: 248-256.
- Soltis, D. E., P. S. Soltis, and R. D. Noyes. 1988. An electrophoretic investigation of intragametophytic self-fertilization in *Equisetum arvense*. *American Journal of Botany* 75: 231-237.
- Soltis, D. E. and P. S. Soltis. 1988. Electrophoretic evidence for tetrasomic inheritance in *Tolmiea menziesii* (Saxifragaceae). *Heredity* 60: 375-382.
- Soltis, P. S. and D. E. Soltis. 1988. Electrophoretic evidence for genetic diploidy in *Psilotum nudum*. *American Journal of Botany* 75: 1667-1671.
- Soltis, P. S., D. E. Soltis, and K. E. Holsinger. 1988. Estimates of gene flow and intragametophytic selfing in homosporous ferns. *American Journal of Botany* 75: 1765-1770.
- Rieseberg, L. H., D. E. Soltis, and P. S. Soltis. 1988. Genetic variation in *Helianthus annuus* and *H. bolanderi*. *Biochemical Systematics and Ecology* 16: 393-399.
- Soltis, D. E. and P. S. Soltis. 1989. Tetrasomic inheritance in *Heuchera micrantha* (Saxifragaceae). *Journal of Heredity* 80: 123-126.
- Soltis, D. E. and P. S. Soltis. 1989. Genetic consequences of autopolyploidy in *Tolmiea* (Saxifragaceae). *Evolution* 43: 586-594.
- Ness, B. D., D. E. Soltis, and P. S. Soltis. 1989. Autopolyploidy in *Heuchera micrantha* (Saxifragaceae). *American Journal of Botany* 76: 614-626.
- Soltis, D. E., P. S. Soltis, and B. D. Ness. 1989. Chloroplast DNA variation and multiple origins of autopolyploidy in *Heuchera micrantha* (Saxifragaceae). *Evolution* 43: 650-656.
- Soltis, P. S., D. E. Soltis, P. G. Wolf, and J. M. Riley. 1989. Electrophoretic evidence for interspecific hybridization in *Polystichum*. *American Fern Journal* 79: 7-13.
- Soltis, D. E. and P. S. Soltis. 1989. Polyploidy, breeding systems, and genetic differentiation in homosporous pteridophytes, pp. 241-258. In D. E. Soltis and P. S. Soltis [eds.], *Isozymes in plant biology*. Dioscorides Press, Portland.
- Soltis, P. S., D. E. Soltis, and B. D. Ness. 1989. Population genetic structure in *Cheilanthes gracillima*. *American Journal of Botany* 76: 1114-1118.
- Soltis, D. E., P. S. Soltis, T. A. Ranker, and B. D. Ness. 1989. Chloroplast DNA variation in a wild plant, *Tolmiea menziesii*. *Genetics* 121: 819-826.
- Soltis, D. E. and P. S. Soltis. 1989. Allopolyploid speciation in *Tragopogon*: Insights from chloroplast DNA. *American Journal of Botany* 76: 1119-1124.

- Wolf, P. G., P. S. Soltis, and D. E. Soltis. 1989. Tetrasomic inheritance and chromosome pairing behaviour in the naturally occurring autotetraploid *Heuchera grossulariifolia* (Saxifragaceae). *Genome* 35: 655-659.
- Ranker, T. A., C. H. Haufler, P. S. Soltis, and D. E. Soltis. 1989. Genetic evidence for allopolyploidy in the neotropical fern *Hemionitis pinnatifida* (Adiantaceae) and the reconstruction of an ancestral genome. *Systematic Botany* 14: 439-447.
- Wolf, P. G., D. E. Soltis, and P. S. Soltis. 1990. Chloroplast-DNA and electrophoretic variation in diploid and autotetraploid *Heuchera grossulariifolia* (Saxifragaceae). *American Journal of Botany* 77: 232-244
- Pichersky, E., D. E. Soltis, and P. S. Soltis. 1990. Defective CAB genes in the genome of a homosporous fern. *Proceedings of the National Academy of Sciences USA* 87: 195-199.
- Soltis, D. E. and P. S. Soltis. 1990. Isozyme evidence for ancient polyploidy in primitive angiosperms. *Systematic Botany* 15: 328-337.
- Soltis, P. S., D. E. Soltis, and P. G. Wolf. 1990. Allozymic divergence and species relationships in North American *Polystichum*. *Systematic Botany* 15: 205-215.
- Kirkpatrick, R. E. B., P. S. Soltis, and D. E. Soltis. 1990. Mating system and distribution of genetic variation in *Gymnocarpium dryopteris* ssp. *disjunctum*. *American Journal of Botany* 77: 1101-1110.
- Hall, G. W., G. M. Diggs, D. E. Soltis, and P. S. Soltis. 1990. Genetic uniformity of El Arbol del Tule (Tule Tree). *Madroño* 37: 1-5.
- Soltis, D. E., P. S. Soltis, and K. D. Bothel. 1990. Chloroplast DNA evidence for the origins of the monotypic *Bensoniella* and *Conimitella* from within *Mitella* (Saxifragaceae). *Systematic Botany* 15: 349-362.
- Soltis, D. E., P. S. Soltis, and B. D. Ness. 1990. Maternal inheritance of the chloroplast genome in Saxifragaceae. *Journal of Heredity* 81: 168-170.
- Ranker, T. A., D. E. Soltis, P. S. Soltis, and A. J. Gilmartin. 1990. Subfamilial phylogenetic relationships of the Bromeliaceae: Chloroplast DNA restriction site variation and morphological evolution. *Systematic Botany* 15: 425-434.
- Soltis, D. E., P. S. Soltis, M. T. Clegg, and M. Durbin. 1990. *rbcL* sequence divergence and phylogenetic relationships in Saxifragaceae *sensu lato*. *Proceedings of the National Academy of Sciences, USA* 87: 4640-4644.
- Ness, B. D., D. E. Soltis, and P. S. Soltis. 1990. An examination of polyploidy and putative introgression in *Calochortus* subsection *Nudi* (Liliaceae). *American Journal of Botany* 77: 1519-1531.
- Ritland, K., D. E. Soltis, and P. S. Soltis. 1991. A two-locus model for the joint estimation of intergametophytic and intragametophytic selfing rates. *Heredity* 65: 289-296.
- Soltis, P. S., D. E. Soltis, and P. G. Wolf. 1991. Allozymic and chloroplast DNA analyses of polyploidy in *Polystichum*. I. The origins of *P. californicum* and *P. scopulinum*. *Systematic Botany* 16: 245-256.
- Soltis, P. S. and D. E. Soltis. 1991. Multiple origins of allopolyploidy in *Tragopogon mirus* (Compositae): rDNA evidence. *Systematic Botany* 16: 407-413.
- Soltis, P. S. and W. L. Bloom. 1991. Allozymic differentiation between *Clarkia nitens* and *C. speciosa* (Onagraceae). *Systematic Botany* 16: 399-406.
- Soltis, D. E., P. S. Soltis, T. G. Collier, and M. L. Edgerton. 1991. Chloroplast DNA variation within and among genera of the *Heuchera* group: cpDNA evidence for intergeneric

- chloroplast transfer and the paraphyly of *Mitella* and *Heuchera*. *American Journal of Botany* 78: 1091-1112.
- Wolf, P. G., P. S. Soltis, and D. E. Soltis. 1991. Genetic divergence and relationships in the *Ipomopsis aggregata* complex and related species (Polemoniaceae). *American Journal of Botany* 78: 515-526.
- Downie, S. R., R. G. Olmstead, G. Zurawski, D. E. Soltis, P. S. Soltis, J. C. Watson, and J. D. Palmer. 1991. Six independent losses of the chloroplast DNA *rpl2* intron in dicotyledons: molecular and phylogenetic implications. *Evolution* 45: 1245-1259.
- Brunsfeld, S. J., D. E. Soltis, and P. S. Soltis. 1991. Patterns of genetic variation in *Salix* section *Longifoliae*. *American Journal of Botany* 78: 855-869.
- Soltis, D. E., P. S. Soltis, and A. Smith. 1991. Mating systems in the tree ferns *Alsophila firma* (Cyatheaceae), *Cyathea stipularis* (Cyatheaceae), and *Lophosoria quadripinnata* (Lophosoriaceae). *Plant Species Biology* 6: 19-25.
- Novak, S. J., D. E. Soltis, and P. S. Soltis. 1991. Ownbey's Tragopogons: Forty years later. *American Journal of Botany* 78: 1586-1600.
- Soltis, D. E., M. S. Mayer, P. S. Soltis, and M. Edgeron. 1991. Chloroplast-DNA variation in *Tellima grandiflora* (Saxifragaceae). *American Journal of Botany* 78: 1379-1390.
- Soltis, P. S., J. J. Doyle, and D. E. Soltis. 1992. Molecular data and polyploidy in plants. In P. S. Soltis, D. E. Soltis, and J. J. Doyle (eds.), *Molecular Systematics of Plants*. Chapman and Hall, New York.
- Soltis, D. E., P. S. Soltis, and B. Milligan. 1992. Intraspecific chloroplast DNA variation: Evolutionary and systematic implications. In P. S. Soltis, D. E. Soltis, and J. J. Doyle (eds.), *Molecular Systematics of Plants*. Chapman and Hall, New York.
- Soltis, D. E. and P. S. Soltis. 1992. Distribution of selfing rates in homosporous ferns. *American Journal of Botany* 79: 97-100.
- Wolf, P. G. and P. S. Soltis. 1992. Estimates of gene flow among populations, geographic races, and species of perennial plants in the *Ipomopsis aggregata* complex. *Genetics* 130: 639-647.
- Soltis, P. S., D. E. Soltis and C. J. Smiley. 1992. An *rbcL* sequence from a Miocene *Taxodium* (Bald Cypress). *Proceedings of the National Academy of Sciences, USA* 89: 449-451.
- Kirkpatrick, R. E. B. and P. S. Soltis. 1992. Antheridiogen production and response in *Gymnocarpium dryopteris* ssp. *disjunctum*. *Plant Species Biology* 7: 1-9.
- Brochmann, C., P. S. Soltis, and D. E. Soltis. 1992. Multiple origins of the octoploid Scandinavian endemic *Draba cacuminum*: electrophoretic and morphological evidence. *Nordic Journal of Botany* 12: 257-272.
- Brunsfeld, S. J., D. E. Soltis, and P. S. Soltis. 1992. Evolutionary patterns and processes in *Salix* section *Longifoliae*: Evidence from chloroplast DNA. *Systematic Botany* 17: 239-256.
- Soltis, P. S., D. E. Soltis, T. L. Tucker, and F. A. Lang. 1992. Allozyme variability is absent in the narrow endemic *Bensoniella oregona* (Saxifragaceae). *Conservation Biology* 6: 131-134.
- Brochmann, C., P. S. Soltis, and D. E. Soltis. 1992. Recurrent formation and polyphyly of Nordic polyploids in *Draba* (Brassicaceae). *American Journal of Botany* 79: 673-688.
- Soltis, P. S. and D. E. Soltis. 1992. Conservation of rDNA in *Polystichum* (Dryopteridaceae). *Plant Systematics and Evolution* 181: 11-20.

- Palmer, J. D., D. E. Soltis, and P. S. Soltis. 1992. Large size and complex structure of mitochondrial DNA in two nonflowering land plants. *Current Genetics* 21: 125-129.
- Soltis, D. E., P. S. Soltis, R. K. Kuzoff, and T. L. Tucker. 1992. Geographic structuring of chloroplast DNA genotypes in *Tiarella trifoliata* (Saxifragaceae). *Plant Systematics and Evolution* 181: 203-216.
- Brochmann, C., D. E. Soltis, and P. S. Soltis. 1992. Electrophoretic relationships and phylogeny of Nordic polyploids in *Draba* (Brassicaceae). *Plant Systematics and Evolution* 182: 35-70.
- Soltis, D. E., P. S. Soltis, J. N. Thompson, and O. Pellmyr. 1992. Chloroplast DNA variation in *Lithophragma* (Saxifragaceae). *Systematic Botany* 17: 607-619.
- Chase, M. W. et al. 1993. Phylogenetics of seed plants: An analysis of nucleotide sequences from the plastid gene *rbcL*. *Annals of the Missouri Botanical Garden* 80: 528-580.
- Xiang, Q.-Y., D. E. Soltis, D. R. Morgan, and P. S. Soltis. 1993. Phylogenetic relationships of *Cornus* L. *sensu lato* and putative relatives inferred from *rbcL* sequence data. *Annals of the Missouri Botanical Garden* 80: 723-734.
- Wolf, P. G., P. S. Soltis, and D. E. Soltis. 1993. Phylogenetic significance of chloroplast DNA restriction site variation in the *Ipomopsis aggregata* complex and related species (Polemoniaceae). *Systematic Botany* 18: 652-662.
- Soltis, P. S. and R. K. Kuzoff. 1993. ITS sequence variation within and among populations of *Lomatium grayi* and *L. laevigatum* (Umbelliferae). *Molecular Phylogenetics and Evolution* 2: 166-170.
- Soltis, D. E., D. R. Morgan, A. Grable, P. S. Soltis, and R. Kuzoff. 1993. Molecular systematics of Saxifragaceae *sensu stricto*. *American Journal of Botany* 80: 1056-1081.
- Brunsfeld, S. J., P. S. Soltis, D. E. Soltis, P. A. Gadek, C. J. Quinn, and D. D. Streng. 1994. Phylogenetic relationships among genera of the conifer families Taxodiaceae and Cupressaceae: Evidence from *rbcL* sequences. *Systematic Botany* 19: 253-262.
- Novak, S. J., R. N. Mack, and P. S. Soltis. 1993. Genetic variation in *Bromus tectorum*: Multiple introductions and estimation of gene flow. *Canadian Journal of Botany* 71: 1441-1448.
- Mayer, M. S. and P. S. Soltis. 1994. Chloroplast DNA variation in *Lens* (Leguminosae): Phylogenetic relationships and the origin of the cultivated lentil. *Theoretical and Applied Genetics* 87: 773-781.
- Richter, T. S., P. S. Soltis, and D. E. Soltis. 1994. Genetic variation within and among populations of the narrow endemic, *Delphinium viridescens*. *American Journal of Botany* 81: 1070-1076.
- Mayer, M. S., P. S. Soltis, and D. E. Soltis. 1994. The evolution of the *Streptanthus glandulosus* complex (Cruciferae): Genetic divergence and gene flow in serpentine endemics. *American Journal of Botany* 81: 1288-1299.
- Mayer, M. S. and P. S. Soltis. 1994. The evolution of serpentine endemics: a cpDNA phylogeny of the *Streptanthus glandulosus* complex. *Systematic Botany* 19: 557-574.
- Wolf, P. G., P. S. Soltis, and D. E. Soltis. 1994. Phylogenetic relationships of Dennstaedtioid ferns: evidence from *rbcL* sequences. *Molecular Phylogenetics and Evolution* 3: 383-392.
- Plunkett, G. M., D. E. Soltis, P. S. Soltis, and R. E. Brooks. 1995. Phylogenetic relationships between Juncaceae and Cyperaceae: Insights from *rbcL* sequence data. *American Journal of Botany* 82: 520-525.



- Soltis, D. E., P. S. Soltis, D. R. Morgan, S. M. Swensen, B. C. Mullin, J. M. Dowd, and P. G. Martin. 1995. Chloroplast gene sequence data suggest a single origin of symbiotic nitrogen fixation in angiosperms. *Proceedings of the National Academy of Sciences, USA* 92: 2647-2651.
- Susanna, A., N. Garcia Jacas, D. E. Soltis, and P. S. Soltis. 1995. Phylogenetic relationships in tribe Cardueae (Asteraceae) based on ITS sequences. *American Journal of Botany* 82: 1056-1068.
- Soltis, P. S. and D. E. Soltis. 1995. Alternative genes in phylogeny reconstruction: Introduction. *Annals of the Missouri Botanical Garden* 82: 147-148.
- Noyes, R. D., D. E. Soltis, and P. S. Soltis. 1995. Genetic and cytological investigations in sexual *Erigeron compositus* (Asteraceae). *Systematic Botany* 20: 132-146.
- Soltis, P. S., G. M. Plunkett, S. J. Novak, and D. E. Soltis. 1995. Genetic variation in *Tragopogon* species: Additional origins of the allotetraploids *T. mirus* and *T. miscellus* (Compositae). *American Journal of Botany* 82: 1329-1341.
- Plunkett, G. M., D. E. Soltis, and P. S. Soltis. 1996. Higher level relationships of Apiales (Apiaceae and Araliaceae) based on phylogenetic analysis of *rbcL* sequences. *American Journal of Botany* 83: 499-515.
- Johnson, L. A., J. L. Schultz, D. E. Soltis, and P. S. Soltis. 1996. Monophyly and generic relationships of Polemoniaceae based on *matK* sequences. *American Journal of Botany* 83: 1207-1224.
- Xiang, Q.-Y., S. J. Brunsfeld, D. E. Soltis, and P. S. Soltis. 1996. Phylogenetic relationships in *Cornus* based on chloroplast DNA restriction sites: implications for biogeography and character evolution. *Systematic Botany* 21: 515-534.
- Bayer, R. J., D. E. Soltis, and P. S. Soltis. 1996. Phylogenetic inferences in *Antennaria* (Asteraceae: Gnaphalieae: Cassiniinae) based on sequences from nuclear ribosomal DNA internal transcribed spacers (ITS). *American Journal of Botany* 83: 516-527.
- Soltis, P. S., D. E. Soltis, S. G. Weller, A. K. Sakai, and W. L. Wagner. 1996. Molecular phylogenetic analysis of the Hawaiian endemics *Schiedea* and *Alsinidendron* (Caryophyllaceae). *Systematic Botany* 21: 365-379.
- Plunkett, G. M., D. E. Soltis, and P. S. Soltis. 1996. Evolutionary patterns in Apiaceae: Inferences based on *matK* sequence data. *Systematic Botany* 21: 477-495.
- Soltis, P. S. and S. J. Novak. 1997. Polyphyly of the tuberous lomatiums: cpDNA evidence for morphological convergence. *Systematic Botany* 22: 1-15.
- Soltis, P. S., D. E. Soltis, and T. L. Norvell. 1997. Genetic diversity in rare and widespread species of *Lomatium* (Apiaceae). *Madrono* 44: 59-73.
- Soltis, D. E. and P. S. Soltis. 1997. Phylogenetic relationships among Saxifragaceae sensu lato: A comparison of topologies based on 18S rDNA and *rbcL* sequences. *American Journal of Botany* 84: 504-522.
- Soltis, D. E., P. S. Soltis, D. L. Nickrent, L. A. Johnson, W. J. Hahn, S. B. Hoot, J. A. Sweere, R. K. Kuzoff, K. A. Kron, M. W. Chase, S. M. Swensen, E. A. Zimmer, S.-M. Chaw, L. J. Gillespie, W. J. Kress, and K. J. Sytsma. 1997. Angiosperm phylogeny inferred from 18S ribosomal DNA sequences. *Annals of the Missouri Botanical Garden* 84: 1-49.
- Plunkett, G. M., D. E. Soltis, and P. S. Soltis. 1997. Clarification of the relationship between Apiaceae and Araliaceae based on *matK* and *rbcL* sequence data. *American Journal of Botany* 84: 565-580.

- Xiang, Q.-Y., D. E. Soltis, and P. S. Soltis. 1998. Phylogenetic analysis of Cornaceae and relatives using nucleotide sequences of the plastid genes *matK* and *rbcL*. *American Journal of Botany* 85: 285-297.
- Xiang, Q.-Y., D. E. Soltis, and P. S. Soltis. 1998. The eastern Asian and eastern and western North American floristic disjunction: Congruent phylogenetic patterns in seven diverse genera. *Molecular Phylogenetics and Evolution* 10: 178-190.
- Kuzoff, R. K., J. A. Sweere, D. E. Soltis, P. S. Soltis, and E. A. Zimmer. 1998. The phylogenetic potential of entire 26S rDNA sequences in plants. *Molecular Biology and Evolution* 15: 251-263.
- Soltis, D. E., P. S. Soltis, M. E. Mort, M. W. Chase, V. Savolainen, S. B. Hoot, and C. M. Morton. 1998. Inferring complex phylogenies using parsimony: An empirical approach using three large DNA data sets for angiosperms. *Systematic Biology* 47: 32-42.
- Brochmann, C. Q.-Y. Xiang, S. J. Brunsfeld, and D. E. Soltis. 1998. Molecular evidence for the origins of polyploid *Saxifraga* (Saxifragaceae): The narrow arctic endemic *S. svalbardensis* and its widespread allies. *American Journal of Botany* 85: 135-143.
- Johnson, L. A., D. E. Soltis, and P. S. Soltis. 1998. Phylogenetic relationships of Polemoniaceae inferred from 18S ribosomal DNA sequences. *Plant Systematics and Evolution* 214: 65-89.
- Shelly, J. S., P. Lesica, P. G. Wolf, P. S. Soltis, and D. E. Soltis. 1998. Systematic studies and conservation status of *Claytonia lanceolata* var. *flava* (Portulacaceae). *Madrono* 45: 64-74.
- Cook, L. M., P. S. Soltis, S. J. Brunsfeld, and D. E. Soltis. 1998. Multiple independent formations of *Tragopogon* tetraploids (Asteraceae): Evidence from RAPD markers. *Molecular Ecology* 7: 1293-1302.
- Rodman, J. E., P. S. Soltis, D. E. Soltis, and K. J. Sytsma. 1998. Dual origin of mustard oil biosynthesis inferred from congruent nuclear and plastid gene phylogenies. *American Journal of Botany* 85: 997-1006.
- Angiosperm Phylogeny Group. 1998. An ordinal classification for the families of flowering plants. *Annals of the Missouri Botanical Garden* 85: 531-553.
- Soltis, D. E. and P. S. Soltis. 1998. Polyploidy: Origins of species and genome evolution. *Trends in Ecology and Evolution* 14: 349-351.
- Soltis, P. S. and M. A. Gitzendanner. 1999. Molecular systematics and the conservation of rare plant species. *Conservation Biology* 13: 471-483.
- Cook, L. M. and P. S. Soltis. 1999. Mating systems of diploid and allotetraploid populations of *Tragopogon* (Asteraceae) I. Natural populations. *Heredity* 82: 237-244.
- Soltis, D. E., M. E. Mort, P. S. Soltis, C. Hibsich-Jetter, E. A. Zimmer, and D. R. Morgan. 1999. Phylogenetic relationships of the enigmatic angiosperm family Podostemaceae inferred from 18S and 18S + *rbcL* sequence data. *Molecular Phylogenetics and Evolution* 11: 261-272.
- Hardig, T. M. and P. S. Soltis. 1999. An ITS-based phylogenetic analysis of the *Euryptera* species group in *Lomatium* (Apiaceae). *Plant Systematics and Evolution* 219.
- Soltis, P. S., D. E. Soltis, P. G. Wolf, D. L. Nickrent, S.-M. Chaw, and R. L. Chapman. 1999. Land plant phylogeny inferred from 18S rDNA sequences: Pushing the limits of rDNA sequences? *Molecular Biology and Evolution* 16: 1774-1784.

- Segraves, K. A., J. N. Thompson, P. S. Soltis, and D. E. Soltis. 1999. Multiple origins of polyploidy and the geographic structure of *Heuchera grossulariifolia*. *Molecular Ecology* 8: 253-262.
- Les, D. H., E. L. Schneider, D. J. Padgett, M. Zanis, D. E. Soltis, and P. S. Soltis. 1999. Phylogeny, classification, and floral evolution of water lilies (Nymphaeales): a synthesis of non-molecular, *rbcL*, *matK*, and 18S rDNA data. *Systematic Botany* 24: 28-46.
- Mayer, M. S. and P. S. Soltis. 1999. Phylogeny of *Streptanthus* (Brassicaceae) inferred from ITS sequences. *Systematic Botany* 24: 47-61.
- Soltis, P. S., D. E. Soltis, and M. W. Chase. 1999. Angiosperm phylogeny inferred from multiple genes as a tool for comparative biology. *Nature* 402: 402-404.
- Qiu, Y.-L., J. Lee, F. Bernasconi-Quadroni, D. E. Soltis, P. S. Soltis, M. Zanis, E. A. Zimmer, Z. Chen, V. Savolainen, and M. W. Chase. 1999. The earliest angiosperms: Evidence from mitochondrial, plastid, and nuclear genomes. *Nature* 402: 404-407.
- Kuzoff, R. K., D. E. Soltis, L. Hufford, and P. S. Soltis. 1999. Phylogenetic relationships within *Lithophragma* (Saxifragaceae): hybridization, allopolyploidy, and ovary diversification. *Systematic Botany* 24: 598-615.
- Hardig, T. M., P. S. Soltis, and D. E. Soltis. 2000. Diversification of the North American shrub genus *Ceanothus* (Rhamnaceae): conflicting phylogenies from nuclear ribosomal DNA and chloroplast DNA. *American Journal of Botany* 87: 108-123.
- Mort, M. E., P. S. Soltis, D. E. Soltis, and M. L. Mabry. 2000. A comparison of bootstrap, fast bootstrap, and jackknife values in three empirical data sets. *Systematic Biology* 49: 102-113.
- Gitzendanner, M. A. and P. S. Soltis. 2000. Patterns of genetic variation in rare and widespread plant congeners: Do rare species have low levels of genetic variability? *American Journal of Botany* 87: 783-792.
- Soltis, D. E., P. S. Soltis, M. W. Chase, M. E. Mort, D. C. Albach, M. Zanis, V. Savolainen, W. H. Hahn, S. B. Hoot, M. Axtell, S. M. Swensen, K. C. Nixon, and J. S. Farris. 2000. Angiosperm phylogeny inferred from a combined data set of 18S rDNA, *rbcL*, and *atpB* sequences. *Botanical Journal of the Linnean Society* 133: 381-461.
- Savolainen, V., M. F. Fay, D. C. Albach, A. Backlund, M. van der Bank, K. M. Cameron, S. A. Johnson, M. D. Lledo, J.-C. Pintaud, M. Powell, M. C. Sheahan, D. E. Soltis, P. S. Soltis, P. Weston, W. M. Whitten, K. J. Wurdack, and M. W. Chase. 2000. Phylogeny of the eudicots: a nearly complete familial analysis based on *rbcL* gene sequences. *Kew Bulletin* 55: 257-309.
- Cook, L. M. and P. S. Soltis. 2000. Mating systems of diploid and allotetraploid populations of *Tragopogon* (Asteraceae) II. Artificial populations. *Heredity* 84: 410-415.
- Schultz, J. L. and P. S. Soltis. 2001. Geographic divergence in *Leptodactylon californicum* (Polemoniaceae): Insights from morphology, enzyme electrophoresis, and restriction site analysis of rDNA. *Systematic Botany* 26: 75-91.
- Mort, M. E., D. E. Soltis, P. S. Soltis, J. Francisco-Ortega, and A. Santos-Guerra. 2001. Phylogenetic relationships and evolution in Crassulaceae inferred from *matK* sequence data. *American Journal of Botany* 88: 76-91.
- Xiang, Q.-Y., D. E. Soltis, P. S. Soltis, S. R. Manchester, and D. J. Crawford. 2000. Timing the eastern Asian-eastern North American floristic disjunction: Molecular clocks confirm paleontological estimates. *Molecular Phylogenetics and Evolution* 15: 462-472.

- Albach, D. C., P. S. Soltis, D. E. Soltis, and R. G. Olmstead. 2001. Phylogenetic analysis of the Asteridae s.l. using sequences of four genes. *Annals of the Missouri Botanical Garden* 88: 163-212.
- Albach, D. C., P. S. Soltis, and D. E. Soltis. 2001. Patterns of floral, embryological, and biochemical evolution in the Asteridae s.l. *Systematic Botany* 26: 242-262.
- Albach, D. C., D. E. Soltis, M. W. Chase, and P. S. Soltis. 2001. Phylogenetic placement of the enigmatic *Hydrostachys*. *Taxon* 50: 781-805.
- Mort, M. E., D. E. Soltis, P. S. Soltis, J. Francisco-Ortega, and A. Santos-Guerra. Phylogenetics and diversification in the Macaronesian clade (Crassulaceae) inferred from molecular and morphological data. *Systematic Botany* 27: 271-288.
- Koontz, J. A., P. S. Soltis, and S. J. Brunsfeld. 2001. Genetic diversity and tests of the hybrid origin of the endangered yellow larkspur, *Delphinium luteum* (Ranunculaceae). *Conservation Biology* 15: 1608-1618.
- Koontz, J. A. and P. S. Soltis. 2001. Polyploidy and segregation analyses in *Delphinium gypsophilum* (Ranunculaceae). *Madrono* 48: 90-97.
- Pyankov, V., E. G. Artyusheva, G. E. Edwards, and P. S. Soltis. 2001. Phylogenetic analysis of tribe Salsoleae of Chenopodiaceae based on ribosomal ITS sequences: Implications for the evolution of photosynthesis types. *American Journal of Botany* 88: 1189-1198.
- Moody, M., L. Hufford, D. E. Soltis, and P. S. Soltis. 2001. Phylogenetic relationships of Loasaceae subfamily Gronovioideae inferred from *matK* and ITS sequence data. *American Journal of Botany* 88: 326-336.
- Soltis, P. S., D. E. Soltis, V. Savolainen, P. R. Crane, and T. Barraclough. 2002. Rate heterogeneity among lineages of land plants: integration of molecular and fossil data and evidence for molecular living fossils. *Proceedings of the National Academy of Sciences, USA* 99: 4430-4435.
- Zanis, M. J., D. E. Soltis, P. S. Soltis, S. Mathews, and M. J. Donoghue. 2002. The root of the angiosperms revisited. *Proceedings of the National Academy of Sciences, USA* 99: 6848-6853.
- Soltis, D. E., P. S. Soltis, V. A. Albert, C. W. dePamphilis, M. W. Frohlich, H. Ma, D. Oppenheimer, and G. Theißen. 2002. Missing links: the genetic architecture of the flower and floral diversification. *Trends in Plant Science* 7: 1360-1385.
- Savolainen, V., M. W. Chase, N. Salamin, D. E. Soltis, and P. S. Soltis. 2002. Plant versus animal phylogeny and the evolution of organellar genomes. *Systematic Biology* 51: 638-647.
- Hardig, T. M., P. S. Soltis, and D. E. Soltis. 2002. Diversification of the North American shrub genus *Ceanothus* (Rhamnaceae) II. Patterns of morphological evolution. *Systematic Botany* 27: 734-746.
- Soltis, D. E., P. S. Soltis, and M. J. Zanis. 2002. Phylogeny of seed plants based on evidence from eight genes. *American Journal of Botany* 89: 1670-1681.
- Xiang, Q.-Y., M. L. Moody, D. E. Soltis, C. Z. Fan, and P. S. Soltis. 2002. Relationships within Cornales and circumscription of Cornaceae—*matK* and *rbcL* sequence data and effects of outgroups and long branches. *Molecular Phylogenetics and Evolution* 24: 35-57.
- Nickrent, D. L., A. Blarer, Y.-L. Qiu, D. E. Soltis, P. S. Soltis, and M. Zanis. 2002. Molecular data place Hydnoraceae with Aristolochiaceae. *American Journal of Botany* 89: 1809-1817.

- Soltis, D. E., A. E. Senter, S. Kim, J. D. Thompson, P. S. Soltis, M. J. Zanis, L. Ronse DeCraene, P. K. Endress, and J. S. Farris. 2003. Gunnerales are sister to other core eudicots and exhibit floral features of early-diverging eudicots. *American Journal of Botany* 90: 461-470.
- Zanis, M. J., D. E. Soltis, P. S. Soltis, Y.-L. Qiu, and E. A. Zimmer. 2003. Phylogenetic analyses and perianth evolution in basal angiosperms. *Annals of the Missouri Botanical Garden* 90: 129-150.
- Angiosperm Phylogeny Group II. 2003. An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG II. *Botanical Journal of the Linnean Society* 141: 399-436.
- Soltis, D. E., I. J. Leitch, P. S. Soltis, and M. D. Bennett. 2003. Evolution of genome size in the angiosperms. *American Journal of Botany* 90: 1596-1603.
- Allen, G. A., D. E. Soltis, and P. S. Soltis. 2003. Phylogeny and biogeography of *Erythronium* (Liliaceae) inferred from chloroplast matK and nuclear rDNA ITS sequences. *Systematic Botany* 28: 512-523.
- Hilu, K. W., T. Borsch, K. Müller, D. E. Soltis, P. S. Soltis, V. Savolainen, M. W. Chase, M. P. Powell, L. A. Alice, R. Evans, H. Sauquet, C. Neinhuis, T. A. B. Slotta, J. G. Rohwer, C. S. Campbell, and L. W. Chatrou. 2003. Angiosperm phylogeny based on *matK* sequence information. *American Journal of Botany* 90: 1758-1776.
- Kim, S., D. E. Soltis, P. S. Soltis, M. J. Zanis, and Y. Suh. 2004. Phylogenetic relationships among early-diverging eudicots based on four genes: were the eudicots ancestrally woody? *Molecular Phylogenetics and Evolution* 31: 16-30.
- Koontz, J. A., P. S. Soltis, and D. E. Soltis. 2004. Using phylogeny reconstruction to test hypotheses of hybrid origin in *Delphinium* section *Diedropetala* (Ranunculaceae). *Systematic Botany* 29: 345-357.
- Davies, T. J., T. G. Barraclough, M. W. Chase, P. S. Soltis, D. E. Soltis, and V. Savolainen. 2004. Darwin's abominable mystery: Insights from a supertree of the angiosperms. *Proceedings of the National Academy of Sciences, USA* 101: 1904-1909.
- Soltis, D. E. and Soltis, P. S. 2004. *Amborella* not a basal angiosperm? Not so fast. *American Journal of Botany* 91: 997-1001.
- Buzgo, M., Soltis, D. E., Soltis, P. S., and Ma, H. 2004. The role of developmental morphology in molecular developmental genetics. *Trends in Plant Science* 9: 164-173.
- Kim, S., V. A. Albert, M.-J. Yoo, J. S. Farris, P. S. Soltis, and D. E. Soltis. 2004. Phylogeny and diversification of B-function MADS-box genes in angiosperms: evolutionary and functional implications of a 260-million-year-old duplication. *American Journal of Botany* 91: 2102-2118.
- Pires, J. C., K. Y. Lim, A. Kovarik, R. Matyásek, A. Boyd, A. R. Leitch, I. J. Leitch, M. D. Bennett, P. S. Soltis, and D. E. Soltis. 2004. Molecular cytogenetic analysis of recently evolved *Tragopogon* (Asteraceae) allopolyploids reveal a karyotype that is additive of the diploid progenitors. *American Journal of Botany* 91: 1022-1035.
- Mavrodiev, E. V., C. E. Edwards, D.C. Albach, M. A. Gitzendanner, P. S. Soltis, and D. E. Soltis. 2004. Phylogenetic relationships in Subtribe Scorzonnerinae (Asteraceae: Cichorioideae: Lactuceae) based on ITS sequence data. *Taxon* 53: 699-712.
- Scheen, A.-C., C. Brochmann, A. K. Brysting, R. Elven, A. Morris, D. E. Soltis, P. S. Soltis, and V. A. Albert. 2004. Northern Hemisphere biogeography of *Cerastium*

- (Caryophyllaceae): insights from phylogenetic analysis of non-coding plastid nucleotide sequences. *American Journal of Botany* 91: 943-952.
- Kim, S., D. E. Soltis, and P. S. Soltis. 2004. DNA sequences from Miocene fossils: an *ndhF* sequences of *Magnolia latahensis* (Magnoliaceae) and an *rbcL* sequence of *Persea pseudocarolinensis* (Lauraceae). *American Journal of Botany* 92: 615-620.
- Soltis, D. E., V. A. Albert, V. Savolainen, K. Hilu, Y-L. Qiu, M. W. Chase, J. S. Farris, J. D. Palmer, and P. S. Soltis. 2004. Genomic-scale data, angiosperm relationships, and 'ending incongruence': a cautionary tale in phylogenetics. *Trends in Plant Science* 9:477-483.
- Li, R.-Q., Z.-D. Chen, A.-M. D. E. Soltis, P. S. Soltis, and P. S. Manos. 2004. Phylogenetic relationships in Fagales based on DNA sequences from three genomes. *International Journal of Plant Sciences* 165: 311-324.
- Buzgo, M., P. S. Soltis, and D. E. Soltis. 2004. Floral developmental morphology of *Amborella trichopoda* (Amborellaceae). *International Journal of Plant Sciences* 165: 925-947.
- Leitch, I. L., Soltis, D. E., P. S. Soltis, R. Schmidt, and M. D. Bennett. 2005. Evolution of DNA amounts across land plants. *Annals of Botany* 95: 207-217.
- Zahn, L. M., H. Kong, J. H. Leebens-Mack, S. Kim, P. S. Soltis, L. L. Landherr, D. E. Soltis, and C. W. dePamphilis. 2005. The evolution of the *SEPALLATA* subfamily of MADS-box genes: A pre-angiosperm origin with multiple duplications throughout angiosperm history. *Genetics* 169: 2209-2223.
- Albert, V. A., D. E. Soltis, J. E. Carlson, W. G. Farmerie, P. K. Wall, D. C. Ilut, L. A. Mueller, L. L. Landherr, Y. Hu, M. Buzgo, S. Kim, M-J. Yoo, M. W. Frohlich, R. Perl-Treves, S. Schlarbaum, B. Bliss, S. Tanksley, D. G. Oppenheimer, P. S. Soltis, H. Ma, C. W. dePamphilis, and J. H. Leebens-Mack. 2005. Floral gene resources from basal angiosperms for comparative genomics research. *BMC Plant Biology* 5: 5.
- Kim, S., J. Koh, H. Ma, Y. Hu, P. K. Endress, M. Buzgo, B. Hauser, P. S. Soltis, and D. E. Soltis. 2005. Sequence and expression studies of A-, B-, and E-class MADS-box genes in *Eupomatia* (Eupomatiaceae): Support for the bracteate origin of the calyptra. *International Journal of Plant Sciences* 166: 185-198.
- Kim, S., J. Koh, M-J. Yoo, H. Kong, Y. Hu, H. Ma, P. S. Soltis, and D. E. Soltis. 2005. Expression of floral MADS-box genes in basal angiosperms: Implications for the evolution of floral regulators. *The Plant Journal* 43: 724-744.
- Kovarik, A., R. Matyasek, J. C. Pires, A. R. Leitch, K. Y. Lim, A. Sherwood, J. Rocca, D. E. Soltis, and P. S. Soltis. 2005. Rapid concerted evolution of nuclear ribosomal DNA in two *Tragopogon* allopolyploids of recent and recurrent origin. *Genetics* 169: 931-944.
- Mavrodiev, E. V., M. Tancig, A. M. Sherwood, M. A. Gitzendanner, J. Rocca, P. S. Soltis, and D. E. Soltis. 2005. Phylogeny of *Tragopogon* L. (Asteraceae) based on internal and external transcribed spacer sequence data. *International Journal of Plant Sciences* 166: 117-133.
- Melendez-Ackerman, E. J., P. Speranza, W. J. Kress, L. Rohena, E. Toledo, C. Corte's, D. Treece, M. Gitzendanner, P. Soltis and D. Soltis. 2005. Microevolutionary processes inferred from AFLP and morphological variation in *Heliconia Bihai* (Heliconiaceae). *International Journal of Plant Sciences* 166: 781-794.
- Bell, C. D., D. E. Soltis, and P. S. Soltis. 2005. The age of the angiosperms: A molecular time-scale without a clock. *Evolution* 59: 1245-1258.
- Qiu, Y., O. Dombrovska, J. Lee, L. Li, B. A. Whitlock, F. Bernasconi-Quadroni, J. S. Rest, T. Borsch, K. W. Hilu, S. Renner, D. E. Soltis, P. S. Soltis, M. J. Zanis, J. Cannone, R.

- Gutell, M. Powell, V. Savolainen, L. W. Chatrou, and M. W. Chase. 2005. Phylogenetic analysis of basal angiosperms based nine plastid, mitochondrial, and nuclear genes. *International Journal of Plant Sciences* 166: 815-842.
- Yoo, M. J., C. D. Bell, P. S. Soltis, D. E. Soltis. 2005. Divergence times and historical biogeography of Nymphaeales. *Systematic Botany* 30: 693-704.
- Kim, S., P. S. Soltis, K. Wall, and D. E. Soltis. 2006. Phylogeny and domain evolution in the *APETALA2*-like gene family. *Molecular Biology and Evolution* 23: 107-120.
- Edwards, C. E., D. E. Soltis, and P. S. Soltis. 2006. Molecular phylogeny of *Conradina* and other scrub mints (Lamiaceae) from the southeastern USA: Evidence for hybridization in Pleistocene refugia? *Systematic Botany* 31:191-205.
- Yoo, M.-J., V. A. Albert, P. S. Soltis, and D. E. Soltis. 2006. Diversification of glycogen synthase kinase 3/shaggy-like kinase genes in plants. *BMC Plant Biology* 6: 3.
- Cui, L., P. K. Wall, J. Leebens-Mack, B. G. Lindsay, D. Soltis, J. J. Doyle, P. Soltis, J. Carlson, A. Arumuganathan, A. Barakat, V. Albert, H. Ma, and C. W. DePamphilis. 2006. Widespread genome duplications throughout the history of flowering plants. *Genome Research* 16: 738-749.
- Tate, J. A., Z. Ni, A. C. Scheen, J. Koh, C. A. Gilbert, Z. J. Chen, P. S. Soltis and D. E. Soltis. 2006. Evolution and expression of homoeologous loci in *Tragopogon miscellus* (Asteraceae), a recent and reciprocally formed allopolyploid. *Genetics* 173: 1599-1611.
- Lindqvist, C., A.-C. Scheen, M.-J. Yoo, P. Grey, D. G. Oppenheimer, J. H. Leebens-Mack, D. E. Soltis, P. S. Soltis, and V. A. Albert. 2006. An expressed sequence tag (EST) library from developing fruits of an Hawaiian endemic mint (*Stenogyne rugosa*, Lamiaceae): characterization and microsatellite markers. *BMC Plant Biology* 6: 16.
- Moore, M. J., A. Dhingra, P. S. Soltis, R. Shaw, W. G. Farmerie, K. M. Folta, and D. E. Soltis. 2006. Rapid and accurate pyrosequencing of angiosperm plastid genomes. *BMC Plant Biology* 6: 17.
- Chanderbali, A., S. Kim, M. Buzgo, P. Zheng, D. G. Oppenheimer, D. E. Soltis, and P. S. Soltis. 2006. Genetic footprints of stamen ancestors guide perianth evolution in *Persea* (Lauraceae). *International Journal of Plant Sciences* 167: 1075-1089.
- Soltis, D. E., P. S. Soltis, D. W. Schemske, J. F. Hancock, J. N. Thompson, B. C. Husband, and W. S. Judd. 2007. Autopolyploidy in angiosperms: have we grossly underestimated the number of species? *Taxon* 56: 13-30.
- Soltis, D. E., J. W. Clayton, C. C. Davis, M. A. Gitzendanner, M. Cheek, V. Savolainen, A. M. Amorim, and P. S. Soltis. 2007. Phylogenetic relationships of the enigmatic amphitropical family Peridiscaceae. *Taxon* 56: 65-73.
- Oliveira, L. O., R. B. Huck, M. A. Gitzendanner, W. S. Judd, D. E. Soltis, and P. S. Soltis. 2007. Molecular phylogeny, biogeography, and systematics of *Dicerandra* (Lamiaceae), a genus endemic to the southeastern United States. *American Journal of Botany* 94: 1017-1027.
- Mort, M. E., D. E. Soltis, P. S. Soltis, J. Francisco-Ortega, and A. Santos-Guerra. 2007. Physiological and morphological evolution in *Aeonium* (Crassulaceae). *Taxon* 56: 453-464.
- Soltis, D. E., M. A. Gitzendanner, and P. S. Soltis. 2007. 567-taxon data set for angiosperms: the challenges posed by Bayesian analyses of large data sets. *International Journal of Plant Sciences* 168: 137-157.

- Buzgo, A. S., Chanderbali, S., Kim, Z., Zheng, D., Oppenheimer, P. S., Soltis, D. E., and Soltis, P. S. 2007. Floral developmental morphology of *Persea americana* (avocado, Lauraceae): the oddities of male organ identity. *International Journal of Plant Sciences* 168: 261-284.
- Morris, A. B., C. D. Bell, W. S. Judd, D. E. Soltis, and P. S. Soltis. 2007. Phylogeny and divergence time estimates for *Illicium*. *Systematic Botany* 32: 236-249.
- Suárez-Santiago, V. N., M. J. Salinas, N. García-Jacas, P. S. Soltis, D. E. Soltis, and G. Blanca. 2007. Reticulate evolution in the *Acrolophus* subgroup (*Centaurea* L., Compositae) from the Occidental Mediterranean: Origin and diversification of section *Willkommia* Blanca. *Molecular Phylogeny and Evolution* 43: 156-172.
- Cantino, P., J. Doyle, S. Graham, W. Judd, R. Olmstead, D. E. Soltis, P. S. Soltis, and M. Donoghue. 2007. Towards a phylogenetic nomenclature of *Tracheophyta*. *Taxon* 56: 822-846.
- Mavrodiev, E., P. S. Soltis, M. A. Gitzendanner, R. M. Baldini, and D. E. Soltis. 2007. Polyphyly of *Tragopogon porrifolius* (Asteraceae), a Eurasian native with intercontinental disjuncts. *International Journal of Plant Sciences* 168: 889-904.
- Judd, W. S., D. E. Soltis, and P. S. Soltis. 2007. *Tolmiea diplomenziesii*: a new species from the Pacific Northwest and the diploid sister taxon of the autotetraploid *T. menziesii* (Saxifragaceae). *Brittonia* 59: 217-225.
- Manos, P. S., P. S. Soltis, D. E. Soltis, S. R. Manchester, S.-H. Oh, C. D. Bell, D. L. Dilcher, and D. E. Stone. 2007. Phylogeny of extant and fossil Juglandaceae inferred from the integration of molecular and morphological data sets. *Systematic Biology* 56: 412-430.
- Soltis, D. E., H. Ma, M. Frohlich, P. Soltis, V. Albert, D. Oppenheimer, N. Altman, C. dePamphilis, and J. Leebens-Mack. 2007. The floral genome: an evolutionary history of polyploidy and shifting patterns of gene expression. *Trends in Plant Science* 12: 352-357.
- Matyasek, R., J. Tate, Y. K. Lim, H. Srubaraova, J. Koh, A. Leitch, D. E. Soltis, and P. S. Soltis. 2007. Concerted evolution of rDNA in recently formed *Tragopogon* allotetraploids is typically associated with an inverse correlation between gene copy number and expression. *Genetics* 176: 2509-2519.
- Edwards, C., E. M. Arakaki, P. F. Quintana-Ascencio, D. E. Soltis and P. S. Soltis. 2007. Isolation and characterization of microsatellite loci from the endangered highlands scrub hypericum (*Hypericum cumulicola*). *Molecular Ecology Notes* 7: 1135-1137.
- Clayton, J. W., E. S. Fernando, P. S. Soltis and D. E. Soltis. 2007. Molecular phylogeny of the Simaroubaceae (Sapindales) based on chloroplast and nuclear markers. *International Journal of Plant Sciences* 168: 1325-1339.
- Brockington, S., E. Mavrodiev, J. Ramdial, A. Dhingra, P. Soltis, and D. Soltis. 2008. Keep the DNA Rolling: Multiple Displacement Amplification of archival plant DNA extracts. *Taxon* 57: 1-5.
- Edwards, C. E., D. Lefkowitz, D. Soltis, and P. Soltis. 2008. Combined phylogenetic analysis of heterozygous nuclear loci: An example using *Conradina* and related mints (Lamiaceae). *International Journal of Plant Sciences* 169: 579-594.
- Jian, S., P. S. Soltis, M. Gitzendanner, M. Moore, R. Li, T. Hendry, Y. Qiu, A. Dhingra, C. Bell, and D. E. Soltis. 2008. Resolving an ancient, rapid radiation in Saxifragales. *Systematic Biology* 57: 38-57.



- Edwards, C. E., D. E. Soltis, and P. S. Soltis. 2008. Isolation, characterization and cross-species amplification of microsatellite loci from *Conradina* (Lamiaceae). *Molecular Ecology Resources* 8: 363-366.
- Moore, M. M., C. D. Bell, P. S. Soltis, and D. E. Soltis. 2007. Using plastid genomic-scale data to resolve enigmatic relationships among basal angiosperms. *Proceedings of the National Academy of Sciences, USA* 104: 19363-19368.
- Chanderbali, A. S., V. Albert, V. E. T. M. Ashworth, M. T. Clegg, R. E. Litz, D. E. Soltis, and P. S. Soltis. 2008. *Persea americana* (avocado): bringing ancient flowers to fruit in the genomics era. *Bioessays* 29: 1-11.
- Soltis, D. E., V. A. Albert, J. Leebens-Mack, J. D. Palmer, R. A. Wing, C. W. dePamphilis, H. Ma, J. E. Carlson, N. Altman, S. Kim, P. K. Wall, A. Zuccolo, and P. S. Soltis. 2008. The *Amborella* genome: An evolutionary reference for plant biology. *Genome Biology* 99: 402 (doi:10.1186/gb-2008-9-3-402).
- Mavrodiev, E., D. E. Soltis, and P. S. Soltis. 2008. Parentage of six old world polyploids in *Tragopogon* L. (Asteraceae: Scorzonerinae) based on ITS, ETS and plastid sequence data. *Taxon* 57: 1215-1232.
- Mavrodiev, E., I. Nawchoo, D. E. Soltis, and P. S. Soltis. 2008. Molecular data reveal that the tetraploid *Tragopogon kashmirianus* Singh, a narrow endemic of Kashmir, is distinct from the North American *T. mirus* M. Ownbey. *Botanical Journal of the Linnean Society* 158: 391-398.
- Vergara, R., M. C. Minno, M. Minno, D. E. Soltis, and P. S. Soltis. 2008. Preliminary study using ISSRs to differentiate *Imperata* taxa (Poaceae: Andropogoneae) growing in the U.S. *Southeastern Naturalist* 7: 267-276.
- Morris, A. B., S. M. Ickert-Bond, B. D. Brunson, D. E. Soltis, and P. S. Soltis. 2008. Intraspecific divergence time estimation reveals temporal complexity in phylogeographic patterns of American sweetgum (*Liquidambar styraciflua*). *Molecular Ecology* 17: 3889-3900.
- Lim, K. Y., D. E. Soltis, R. Matyasek, H. Srubarova, A. Kovarik, P. S. Soltis, and A. R. Leitch. 2008. Karyotype and meiotic irregularities reveal that recently formed allotetraploids of *Tragopogon* (Asteraceae) remain cytogenetically unstable 80 years after establishment. *PLoS One* 3(10): e3353. Doi:10.1371/journal.pone.0003353.
- Edwards, C. E., D. E. Soltis, and P. S. Soltis. 2008. Using patterns of genetic structure based on microsatellite loci to test hypotheses of current hybridization, ancient hybridization and lineage sorting in *Conradina* (Lamiaceae). *Molecular Ecology* 17: 5157-5174.
- Clayton, J. W., P. S. Soltis, and D. E. Soltis. 2009. Recent long-distance dispersal overshadows ancient biogeographical patterns in a pantropical angiosperm family (Simaroubaceae, Sapindales). *Systematic Biology* 58: 395-410.
- Wang, H.-C., M. M. Moore, P. S. Soltis, C. D. Bell, S. R. Manchester, and D. E. Soltis. 2009. Rosid radiation and the rapid rise of angiosperm-dominated forests. *Proceedings of the National Academy of Sciences, USA* 106: 3853-3858.
- Buggs, R. J. A., A. N. Doust, J. A. Tate, A. H. Paterson, K. A. Soltis, A. Bigger, P. S. Soltis, and D. E. Soltis. 2009. Rapid loss and silencing of homeologs in the recent allotetraploid *Tragopogon miscellus* (Asteraceae): Analysis of synthetic polyploids and natural populations. *Heredity* 103: 73-81.
- Tate, J. A., V. V. Symonds, A. N. Doust, R. J. A. Buggs, E. Mavrodiev, J. Koh, P. S. Soltis, and D. E. Soltis. 2009. Synthetic polyploids of *Tragopogon miscellus* and *T. mirus*

- (Asteraceae): 50+ years after Ownbey's discovery. *American Journal of Botany* 96: 979-988.
- Tate, J. A., P. Joshi, K. A. Soltis, P. S. Soltis, and D. E. Soltis. 2009. On the road to diploidization? Homoeolog loss in independently formed populations of the allopolyploid *Tragopogon miscellus* (Asteraceae). *BMC Plant Biology* 9: 80.
- Brockington, S. F., R. Alexandre, J. Ramdial, M. J. Moore, M. A. Gitzendanner, A. Dhingra, D. E. Soltis, and P. S. Soltis. 2009. Phylogeny of Caryophyllales and patterns of floral evolution. *International Journal of Plant Sciences* 170: 627-643.
- Garcia-Jacas, N., P. S. Soltis, M. Font, D. E. Soltis, R. Vilatersana, and A. Susanna. 2009. The polyploid series of *Centaurea toletana*: glacial migrations and introgression revealed by nrDNA and cpDNA sequence analyses. *Molecular Phylogenetics and Evolution* 52: 377-394.
- Chanderbali, A. S., V. A. Albert, J. Leebens-Mack, N. S. Altman, D. E. Soltis, and P. S. Soltis. 2009. Transcriptional signatures of ancient floral developmental genetics in avocado (*Persea americana*; Lauraceae). *Proceedings of the National Academy of Sciences, USA* 106: 8929-8934.
- Buggs, R. J. A., P. S. Soltis, and D. E. Soltis. 2009. Does hybridization between divergent progenitors drive whole-genome duplication? *Molecular Ecology* 18: 3334-3339.
- APG III (Angiosperm Phylogeny Group). 2009. An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG III. *Botanical Journal of the Linnean Society* 161: 105-121.
- Wall, P. K., J. Leebens-Mack, A. Chanderbali, A. Barakat, H. Liang, L. Landherr, L. P. Tomsho, Y.-H., J. E. Carlson, H. Ma, S. Schuster, D. E. Soltis, P. S. Soltis, N. Altman, and C. W. dePamphilis. 2009. Comparison of next generation sequencing technologies for transcriptome characterization. *BMC Genomics* 10: 347.
- Mavrodiev, E., I. Nawchoo, P. S. Soltis, and D. E. Soltis. 2009. Molecular data reveal that the tetraploid *Tragopogon kashmirianus* Singh (Asteraceae: Scorzonerieae), a narrow endemic of Kashmir, is distinct from the North American *T. mirus*. *Botanical Journal of the Linnean Society* 158: 93-105.
- Koh, J., P. S. Soltis, and D. E. Soltis. 2010. Homeolog loss and expression changes in natural populations of the recently formed allotetraploid *Tragopogon mirus* (Asteraceae). *BMC Genomics* 11: 97.
- Moore, M. J., P. S. Soltis, C. D. Bell, J. G. Burleigh, and D. E. Soltis. 2010. Phylogenetic analysis of 83 plastid genes further resolves the early diversification of eudicots. *Proceedings of the National Academy of Sciences, USA* 107: 4623-4628.
- Symonds, V. V., P. S. Soltis, and D. E. Soltis. 2010. Dynamics of polyploid formation in tragopogon (Asteraceae): recurrent formation, gene flow, and population structure. *Evolution* 64: 1984-2003.
- Yoo, M.-J., P. S. Soltis, and D. E. Soltis. 2010. Expression of homologs of MADS-box genes in flowers of two divergent "water lilies": the basal angiosperm Nymphaeales and the basal eudicot *Nelumbo*. *International Journal of Plant Science* 171: 121-146.
- López-Vinyallonga, S., M. Arakaki, N. Garcia-Jacas, A. Susanna, M. A. Gitzendanner, D. E. Soltis, and P. S. Soltis. 2010. Isolation and characterization of novel microsatellite markers for *Arctium minus* (Compositae). *American Journal of Botany Primer Notes and Protocols* e4-e6.

- Arakaki, M., D. E. Soltis, P. S. Soltis, and P. R. Speranza. 2010. Characterization of polymorphic microsatellite loci in *Haageocereus* (Trichocereae, Cactaceae). *American Journal of Botany Primer Notes and Protocols* e17-e19.
- Morris, A. B., C. H. Graham, D. E. Soltis, and P. S. Soltis. 2010. Reassessment of phylogeographical structure in an eastern North American tree using Monmonier's algorithm and ecological niche modeling. *Journal of Biogeography* 37: 1657-1667.
- Bell, C. D., D. E. Soltis, P. S. Soltis. 2010. The age and diversification of the angiosperms revisited. *American Journal of Botany* 97: 1296-1303.
- Yoo, M.-J., A. S. Chanderbali, N. S. Altman, P. S. Soltis, and D. E. Soltis. 2010. Evolutionary trends in the floral transcriptome: insights from one of the basalmost angiosperms, *Nuphar advena* (Nymphaeaceae). *The Plant Journal* 64: 687-698.
- Chanderbali, A. S., M.-J. Yoo, L. M. Zahn, S. F. Brockington, P. K. Wall, M. A. Gitzendanner, V. A. Albert, J. Leebens-Mack, N. S. Altman, H. Ma, C. W. dePamphilis, D. E. Soltis, and P. S. Soltis. 2010. Conservation and canalization of gene expression during angiosperm diversification accompany the origin and evolution of the flower. *Proceedings of the National Academy of Sciences, USA* 107: 22570-22575.
- Malinska, H., J. A. Tate, R. Matyasek, A. R. Leitch, D. E. Soltis, P. S. Soltis, and A. Kovarik. 2010. Similar patterns of rDNA evolution in synthetic and recently formed natural populations of *Tragopogon* (Asteraceae) allopolyploids. *BMC Evolutionary Biology* 10: 291.
- Malinska, H., J. A. Tate, E. Mavrodiev, R. Matyasek, K. Y. Lim, A. R. Leitch, D. E. Soltis, P. S. Soltis, A. Kovarik. 2011. Ribosomal RNA genes evolution in *Tragopogon*: A story of New and Old World allotetraploids and the synthetic lines. *Taxon* 60: 348-354.
- Buggs, R. J. A., L. Zhang, N. Miles, J. A. Tate, L. Gao, W. Wei, P. S. Schnable, W. B. Barbazuk, P. S. Soltis, and D. E. Soltis. 2011. Transcriptomic shock generates evolutionary novelty in a newly formed, natural allopolyploid plant. *Current Biology* 21: 551-556.
- Soltis, D. E., S. A. Smith, N. Cellinese, K. J. Wurdack, D. C. Tank, S. F. Brockington, N. F. Refulio-Rodriguez, J. B. Walker, M. J. Moore, B. S. Carlswald, C. D. Bell, M. Latvis, S. Crawley, C. Black, D. Diouf, Z. Xi, C. A. Rushworth, M. A. Gitzendanner, K. J. Sytsma, Y.-L. Qiu, K. W. Hilu, C. C. Davis, M. J. Sanderson, R. S. Beaman, R. G. Olmstead, W. S. Judd, M. J. Donoghue, and P. S. Soltis. 2011. Angiosperm phylogeny: 17 genes, 640 taxa. *American Journal of Botany* 98: 704-730.
- Jiao, Y., N. J. Wickett, S. Ayyampalayam, A. S. Chanderbali, L. Landherr, P. E. Ralph, L. P. Tomsho, Y. Hu, H. Liang, P. S. Soltis, D. E. Soltis, S. W. Clifton, S. E. Schlarbaum, S. C. Schuster, H. Ma, J. Leebens-Mack, and C. W. dePamphilis. 2011. Ancestral polyploidy in seed plants and angiosperms. *Nature* 473: 97-100.
- Moore, M., J., N. Hassan, M. A. Gitzendanner, R. A. Bruenn, M. Croley, A. Vandeventer, J. W. Horn, A. Dhingra, S. F. Brockington, M. Latvis, J. Ramdial, R. Alexandre, A. Piedrahita, Z. Xi, C. C. Davis, P. S. Soltis, and D. E. Soltis. 2011. Phylogenetic analysis of the plastid inverted repeat of 244 species: Insights into deeper-level angiosperm relationships from a long, slowly evolving sequence region. *International Journal of Plant Sciences* 172: 541-558.
- Goff, S. A., M. Vaughn, S. McKay, E. Lyons, A. E. Stapleton, D. Gessler, N. Matasci, L. Wang, M. Hanlon, A. Lenards, A. Muir, N. Merchant, S. Lowry, S. Mock, M. Helmke, A. Kubach, M. Narro, N. Hopkins, D. Micklos, U. Hilgert, M. Gonzales, C. Jordan, E. Skidmore, R. Dooley, J. Cazes, R. McLay, Z. Lu, S. Pasternak, L. Koesterke, W. H. Piel,

- R. Grene, C. Noutsos, K. Gendler, X. Feng, C. Tang, M. Lent, S.-J. Kim, K. Kvilekval, B. S. Manjunath, V. Tannen, A. Stamatakis, M. Sanderson, S. M. Welch, K. A. Cranston, P. Soltis, D. Soltis, B. O'Meara, C. Ane, T. Brutnell, D. J. Kleibenstein, J. W. White, J. Leebens-Mack, M. J. Donoghue, E. P. Spalding, T. J. Vision, C. R. Myers, D. Lowenthal, B. J. Enquist, B. Boyle, A. Akoglu, G. Andrews, S. Ram, D. Ware, L. Stein, and D. Stanzione. 2011. The iPlant collaborative: cyberinfrastructure for plant biology. *Frontiers in Plant Science* doi: 10.3389/fpls.2011.00034.
- Hanlon, M. R., S. Mock, P. Nuthulapati, M. B. Gonzales, P. Soltis, D. Soltis, L. C. Majure, A. Payton, B. Mishler, S. Tremblay, T. Madsen. 2011. My-Plant.org: A phylogenetically structured social network. *IEEE Gateway Computing Environments* 978-1-4244-9752-2/11.
- Gitzendanner, M. A., C. W. Weekley, C. C. Germain-Aubrey, D. E. Soltis, and P. S. Soltis. 2011. Microsatellite evidence for high clonality and limited genetic diversity in *Ziziphus celata* (Rhamnaceae), an endangered, self-incompatible shrub endemic to the Lake Wales Ridge, Florida, USA. *Conservation Genetics* DOI 10.1007/s10592-011-0287-9.
- Suárez-Santiago, V. N., C. Díaz de la Guardia, D. E. Soltis, P. S. Soltis, and G. Blanca. 2011. *Tragopogon lainzii*, a new species of *Tragopogon* (Asteraceae) segregated from *T. dubius*: Evidence from morphological and molecular data. *Systematic Botany* 36: 470-480.
- Germain-Aubrey, C. C., P. S. Soltis, D. E. Soltis, M. A. Gitzendanner. 2011. Microsatellite Marker Development for the federally listed *Prunus geniculata* (Rosaceae). *American Journal of Botany Primer Notes and Protocols* Feb. 25, 2011.
- Zuccolo, A., J. E. Bowers, J. C. Estill, Z. Xiong, M. Luo, A. Sebastian, J. L. Goicoechea, K. Collura, Y. Yu, Y. Jiao, J. Duarte, H. Tang, S. Rounsley, D. Kudrna, A. H. Paterson, J. C. Pires, D. E. Soltis, S. Chamala, B. Barbazuk, P. S. Soltis, V. A. Albert, H. Ma, D. Mandoli, J. Banks, J. Carlson, J. Tomkins, C. dePamphilis, R. A. Wing, and J. Leebens-Mack. 2011. A physical map for the *Amborella* genome sheds light on the evolution of angiosperm genome structure. *Genome Biology* 12: R48.
- Carlsward, B. S., W. S. Judd, D. E. Soltis, S. Manchester, and P. S. Soltis. 2011. Putative morphological synapomorphies of Saxifragales and their major subclades. *Journal of the Botanical Research Institute of Texas* 5: 179-196.
- Servick, S. V., P. S. Soltis, and D. E. Soltis. 2011. Microsatellite Marker Development For *Galaxurceolata* (Diapensiaceae). *American Journal of Botany Primer Notes and Protocols* 98: e48-e50.
- Brockington, S. F., R. H. Walker, B. J. Glover, P. S. Soltis, Douglas E. Soltis. 2011. Complex pigment evolution in the Caryophyllales. *New Phytologist* 190: 854-864.
- Brockington, S. F., P. J. Rudall, M. W. Frohlich, D. G. Oppenheimer, P. S. Soltis, and D. E. Soltis. 2011. 'Living stones' reveal alternative petal identity programs within the core eudicots. *The Plant Journal* doi: 10.1111/j.1365-313X.2011.04797.x.
- Buggs, R. J. A., S. Chamala, W. Wu, J. A. Tate, P. S. Schnable, D. E. Soltis, P. S. Soltis, W. B. Barbazuk. 2012. Rapid, repeated, and clustered loss of duplicated genes in allopolyploid *Tragopogon* populations of independent origin. *Current Biology* 22: 248-252.
- Chester, M., J. P., V. V. Symonds, A. Veruska Cruz da Silva, E. V. Mavrodiev, A. R. Leitch, P. S. Soltis, D. E. Soltis. Extensive chromosomal variation generated in a recently formed natural allopolyploid species, *Tragopogon miscellus* (Asteraceae). *Proceedings of the National Academy of Sciences, USA* 109: 1176-1181.

- Bell, C. D., E. V. Mavrodiev, P. S. Soltis, A. K. Calaminus, D. C. Albach, N. Cellinese, N. Garcia-Jacas, and D. E. Soltis. 2012. Rapid diversification of *Tragopogon* and ecological associates in Eurasia. *Journal of Evolutionary Biology* 25:2470-2480.
- Majure, L. C., R. Puente, M. P. Griffith, W. S. Judd, P. S. Soltis, and D. E. Soltis. 2012. Phylogeny of *Opuntia* s.s. (Cactaceae): clade delineation, geographic origins, and reticulate evolution. *American Journal of Botany* 99:847-864.
- Johnson, M. T. J., Z. Tian, E. J. Carpenter, R. Bruskiwich, J. N. Burris, C. T. Carrigan, M. W. Chase, N. D. Clarke, S. Covshoff, Claude W dePamphilis, P. P. Edger, F. Goh, S. Graham, S. Greiner, J. M. Hibberd, I. Jordon-Thaden, T. M. Kutchan, J. Leebens-Mack, M. Melkonian, N. Miles, H. Myburg, J. C. Pires, M. Rolf, R. F. Sage, D. E. Soltis, P. S. Soltis, D. Stevenson, C. Stewart Jr, B. Surek, C. J. M. Thomsen, J. C. Villarreal, X. Wu, Y. Zhang, M. K. Deyholos, and G. K-S Wong. 2012. Isolating total RNA and predicting the success of sequencing phylogenetically diverse plant transcriptomes. *PLoS One* 7: e50226.
- Losos, J. B., S. J. Arnold, G. Bejerano, E. D. Brodie III, D. Hibbett, H. E. Hoekstra, D. P. Mindell, A. Monteiro, C. Moritz, H. A. Orr, D. A. Petrov, S. R. Renner, R. E. Ricklefs, P. S. Soltis, and T. L. Turner. 2013. Evolutionary Biology for the 21st Century. *PLoS Biology* 11: e1001466. doi:10.1371/journal.pbio.1001466.
- Jiao, Y., J. Leebens-Mack, S. Ayyampalayam, J. E. Bowers, M. R. McKain, J. McNeal, M. Rolf, D. R. Ruzicka, E. Wafula, N. J. Wickett, X. Wu, Y. Zhang, J. Wang, Y. Zhang, E. Carpenter, M. K. Deyholos, T. M. Kutchan, A. S. Chanderbali, P. S. Soltis, D. W. Stevenson, R. McCombie, J. C. Pires, G. Ka-Shu Wong, D. E. Soltis, and C. W. dePamphilis. 2012. A genome triplication associated with early diversification of the core eudicots. *Genome Biology* 13: R3.
- Ornelas J. F., V. Sosa, D. E. Soltis, J. M. Daza, C. González, P. S. Soltis, C. Gutiérrez-Rodríguez, A. Espinosa De Los Monteros, T. A. Castoe, C. Bell, E. Ruiz-Sanchez. 2013. Comparative phylogeographic analyses illustrate the complex evolutionary history of threatened cloud forests of Northern Mesoamerica. *PLoS ONE* 8(2): e56283. doi:10.1371
- Sun, Y. X., M. J. Moore, J. Q. Li, P. S. Soltis, D. E. Soltis, H. C. Wang. 2013. Complete plastid genome sequences of Trochodendraceae: Organization and evolution of the basal-eudicot cp genomes with special IR expansion. *PlosOne* 8(4): e60429.
- Mavrodiev, E. V., F. Krahulec, D. E. Soltis, and P. S. Soltis. 2013. A cryptic taxon rather than a hybrid species of *Tragopogon* (Asteraceae) from the Czech Republic. *Kew Bulletin* 68: 133-141.
- Arakaki, M., Pablo R. Speranza, P. S. Soltis, and D. E. Soltis. 2013. Genetic variability of an unusual apomictic triploid cactus — *Haageocereus tenuis* Ritter -- from the coast of central Peru. *Journal of Heredity* 104: 127-133.
- Chester, M., M. Lipman, J. P. Gallagher, P. S. Soltis, and D. E. Soltis. 2013. An assessment of karyotype restructuring in the neoallotetraploid *Tragopogon miscellus* (Asteraceae). *Chromosome Research* 21: 75-85.
- Majure, L., D. E. Soltis, P. S. Soltis, and W. S. Judd. 2013. A case of mistaken identity, *Opuntia abjecta*, long-lost in synonymy under the Caribbean species, *O. triacantha*, and a reassessment of the enigmatic *O. cubensis*. *Brittonia* DOI 10.1007/s12228-013-9307-z.
- Sun, Y.-X., M. J. Moore, A.-p. Meng, P. S. Soltis, D. E. Soltis, J.-q. Li, and H. Wang. 2013. Complete plastid genome sequencing of Trochodendraceae reveals a significant expansion of the inverted repeat and suggests a Paleogene divergence between the two extant species. *PLoS One* 8(4): e60429.

- Garcia, N., A. Meerow, D. E. Soltis, and P. S. Soltis. 2013. Testing deep reticulate evolution in Amaryllidaceae Tribe Hippeastreae (Asparagales) with ITS and chloroplast sequence data. *Systematic Botany* 39: 75-89.
- Lipman, M., M. Chester, P. S. Soltis, and D. E. Soltis. 2013. Natural hybrids between *Tragopogon miscellus* and *T. mirus* (Asteraceae): a new perspective on karyotypic changes following hybridization at the polyploid level. *American Journal of Botany* 100: 2016-2022.
- Soltis, D. E., M. E. Mort, M. Latvis, E. V. Mavrodiev, B. C. O'Meara, P. S. Soltis, J. G. Burleigh, and R. R. de Casas. 2013. Phylogenetic relationships and character evolution analysis of Saxifragales using a supermatrix approach. *American Journal of Botany* 100: 916-929.
- McInnes, L., F. Andrew Jones, C. D. L. Orme, B. Sobkowiak, R. Govaerts, T. G. Barraclough, M. W. Chase, D. E. Soltis, P. S. Soltis, and V. Savolainen. 2013. Global patterns of monocot plant diversity do not explain vertebrate diversity and provide alternate conservation hotspots. *PLoS ONE* 8(5): e56979.
- Qi, X., A. S. Chanderbali, D. E. Soltis, G. Ka-Shu Wong, and P. S. Soltis. 2013. Phylogeny and evolutionary history of glycogen synthase kinase 3/SHAGGY-like kinase genes in land plants. *BMC Plant Biology* 13: 143.
- Amborella Genome Project (authors: Chamala, S., A. Chanderbali, J. Der, T. Lan, B. Walts, V. Albert, C. dePamphilis, J. Leebens-Mack, S. Rounsley, S. Schuster, R. Wing, N. Xiao, R. Moore, P. S. Soltis, D. E. Soltis, W. B. Barbazuk, et al.). 2013. The *Amborella* genome and the evolution of flowering plants. *Science* 342: 1241089. DOI: 10.1126/science.1241089.
- Chamala, S., A. Chanderbali, J. Der, T. Lan, B. Walts, V. Albert, C. dePamphilis, J. Leebens-Mack, S. Rounsley, S. Schuster, R. Wing, N. Xiao, R. Moore, P. S. Soltis, D. E. Soltis, and W. B. Barbazuk. 2013. Assembly and validation of the genome sequence of the nonmodel basal angiosperm *Amborella*. *Science* 342: 1516-1517.
- Drew, B. T., B. R. Ruhfel, S. A. Smith, M. J. Moore, B. G. Briggs, M. A. Gitzendanner, P. S. Soltis, and D. E. Soltis. 2014. Another look at the root of the angiosperms reveals a familiar tale. *Systematic Biology* 63: 368-382.
- Zanne, A. E. D. C. Tank, W. K. Cornwell, J. M. Eastman, S. A. Smith, R. G. FitzJohn, D. J. McGlenn, B. C. O'Meara, A. T. Moles, P. B. Reich, D. L. Royer, D. E. Soltis, P. F. Stevens, M. Westoby, I. J. Wright, L. Aarssen, R. I. Bertin, A. Calaminus, R. Govaerts, F. Hemmings, M. R. Leishman, J. Oleksyn, P. S. Soltis, N. G. Swenson, L. Warman, J. M. Beaulieu. 2014. Into the cold - three keys to radiation of angiosperms into freezing environments. *Nature* doi:10.1038/nature12872.
- Kim, S., L. M Zahn, Z. Zheng, A. Chanderbali, D. G. Oppenheimer, H. Ma, P. S Soltis, and D. E. Soltis. 2013. The evolution of the *AGL6*-like MADS-box genes. *BMC Plant Biology* 56: 315-325.
- Stull, G. W., M. J. Moore, N. Douglas, V. Mandala, H.-R. Kates, X. Qi, S. F. Brockington, P. S. Soltis, D. E. Soltis, and M. A. Gitzendanner. 2013. A targeted enrichment strategy for massively parallel sequencing of angiosperm plastid genomes. *Applications in Plant Sciences*. 1: 1200497.
- Ruhfel, B. R., M. A. Gitzendanner, P. S. Soltis, D. E. Soltis, and J. G. Burleigh. 2014. From algae to angiosperms – inferring the phylogeny of green plants (Viridiplantae) from 360 plastid genomes. *BMC Evolutionary Biology* 14: 23.

- Maia, V. H., M. A. Gitzendanner, P. S. Soltis, D. E. Soltis. 2014. Angiosperm phylogeny based on 18S/26S sequence data: constructing a large set using next-generation sequence data. *International Journal of Plant Systematics* 175:613–650.
- Soltis, D. E., L. Majure, N. M. Miles, M. C. Segovia-Salcedo, E. V. Mavrodiev, W. Mei, I. Jordon-Thaden, M. B. Cortez, P. S. Soltis, and M. Gitzendanner. 2014. Are polyploids really evolutionary dead-ends (again)? *New Phytologist* 202: 1105–1117.
- Melzer, R., A. Härter, F. Rümpler, P. S. Soltis, D. E. Soltis, S. Kim, and G. Theißen. 2014. DEF- and GLO-like proteins may have lost most of their interaction partners during angiosperm evolution. *Annals of Botany* 10.1093/aob/mcu094.
- Germain-Aubrey, C. C., P. S. Soltis, K. M. Neubig, T. Thurston, D. E. Soltis, and M. A. Gitzendanner. 2014. Using comparative biogeography to retrace the origins of an ecosystem: the case of four plants endemic to the central Florida scrub. *International Journal of Plant Science* 175: 418-431.
- Straub, S., M. Moore, P. S. Soltis, D. E. Soltis, A. Liston, and T. Livshultz. 2014. Phylogenetic signal detection from an ancient rapid radiation: Effects of phylogenetic noise reduction, long-branch attraction, and model selection in crown clade Apocynaceae. *Molecular Phylogenetics and Evolution* S1055-7903(14)00263-2. doi: 10.1016/j.ympev.2014.07.020.
- Vergara, R., P. S. Soltis, D. E. Soltis, and M. A. Gitzendanner. 2014. Population genetic structure and genetic diversity of the South American species of *Nothofagus* subgenus *Lophozonia* (Nothofagaceae). Natural history inferred from multi-locus nuclear microsatellite data. *Ecology and Evolution* 4: 2450-2471.
- Cook, J. A., S. V. Edwards, E. Lacey, R. P. Guralnick, P. S. Soltis, D. E. Soltis, C. Welch, K. C. Bell, K. E. Galbreath, C. Himes, J. Allen, T. A. Heath, A. C. Carnaval, K. L. Cooper, M. Liu, and J. Hanken. 2014. Aiming Up: Natural history collections as emerging resources for innovative undergraduate education in biology. *BioScience* 64:725-734.
- Sehrish, T., V. V. Symonds, D. E. Soltis, P. S. Soltis, and J. A. Tate. 2014. Gene silencing via DNA methylation in naturally occurring *Tragopogon miscellus* (Asteraceae) allopolyploids. *BMC Genomics* 15:701.
- Wickett, N. J., S. Mirarab, N. Nguyen, T. Warnow, E. Carpenter, N. Matasci, S. Ayyampalayam, M. Barker, J. G. Burleigh, M. A. Gitzendanner, B. Ruhfel, E. Wafula, J. Der, S. W. Graham, S. Mathews, M. Melkonian, D. E. Soltis, P. S. Soltis, C. Rothfels, L. Pokorny, J. Shaw, L. DeGironimo, D. Stevenson, B. Surek, J. C. Villarreal, B. Roure, H. Philippe, C. W. dePamphilis, T. Chen, M. Deyholos, J. Wang, Y. Zhang, Z. Tian, Z. Yan, X. Wu, X. Sun, G. Ka-Shu Wong, and J. Leebens-Mack. A phylotranscriptomics analysis of the origin and early diversification of land plants. *Proceedings National Academy of Sciences U.S.A.* 111: E4859–E4868.
- Sun, M., D. E. Soltis, P. S. Soltis, X. Zhu, J. G. Burleigh, and Z. Chen. 2014. Exploring deep incongruence in the angiosperms: an example involving the COM clade. *Molecular Phylogenetics and Evolution* 83: 156-166.
- Sessa, E. B., J. A. Banks, M. S. Barker, J. P. Der, A. M. Duffy, S. W. Graham, M. Hasebe, J. Langdale, F-W Li, D. B. Marchant, K. M. Pryer, C. J. Rothfels, S. J. Roux, M. L. Salmi, E. M. Sigel, D. E. Soltis, P. S. Soltis, D. W. Stevenson, P. G. Wolf. 2014. Between two fern (genome)s. *GigaScience* 2014 3:15.

- Deng, J., B. T. Drew, E. V. Mavrodiev, M. A. Gitzendanner, P. S. Soltis, D. E. Soltis. 2014. Saxifragaceae: Phylogeny, divergence times and clade evolution. *Molecular Phylogenetics and Evolution* 83: 86–98.
- Matasci, N., L-H Hung, Z. Yan, E. J. Carpenter, N. J. Wickett, S. Mirarab, N. Nguyen, T. Warnow, S. Ayyampalayam, M. Barker, J. G. Burleigh, M. A. Gitzendanner, E. Wafula, J. P. Der, C. W. dePamphilis, B. Roure, H. Philippe, B. R. Ruhfel, N. W. Miles, S. W. Graham, S. Mathews, B. Surek, M. Melkonian, D. E. Soltis, P. S. Soltis, C. Rothfels, L. Pokorny, J. A. Shaw, L. DeGironimo, D. W. Stevenson, J. C. Villarreal, T. Chen, T. M. Kutchan, M. Rolf, R. S. Baucom, M. K. Deyholos, R. Samudrala, Z. Tian, X. Wu, X. Sun, Y. Zhang, J. Wang, G. Ka-Shu Wong and J. Leebens-Mack. Data access for the 1000 plants (1kp) pilot. *GigaScience* 2014 3, 17.
- Dobešová, E., H. Malinská, R. Matyášek, A. Leitch, D. Soltis, P. Soltis, and A. Kovařík. 2015. Silenced rRNA gene homeologs are activated and substitute for lost (active) copies in a recently formed *Tragopogon mirus* allotetraploid. *Heredity* 114: 356-365.
- Chester, M., R. K. Riley, P. S. Soltis, and D. E. Soltis. 2015. Patterns of chromosomal variation in natural populations of the neoallotetraploid *Tragopogon mirus* (Asteraceae). *Heredity* 114: 309-317.
- Mavrodiev, M. M. Chester, V. N. Suárez-Santiago, C. Visger, A. Susanna, R. Rodriguez, R. M. Baldini, P. S. Soltis and D. E. Soltis. 2015. Parentage, multiple origins, and distribution of the allotetraploid *Tragopogon castellanus* Levier s. l. (Asteraceae). *New Phytologist* doi: 10.1111/nph.13227.
- Chamala, S., N. García, G. T. Godden, V. Krishnakumar, I. E. Jordon-Thaden, R. De Smet, W. B. Barbazuk, D. E. Soltis, and P. S. Soltis. MarkerMiner 1.0: A New Application for Phylogenetic Marker Development Using Angiosperm Transcriptomes. *Applications in Plant Sciences*, in press.
- Tank, D. C., J. M. Eastman, M. W. Pennell, P. S. Soltis, D. E. Soltis, C E. Hinchliff, J. W. Brown, and L. J. Harmon. Progressive Radiations and the Pulse of Angiosperm Diversification. *New Phytologist*, in press.
- Tian, S., S-Q. Lei, W. Hu, L-L. Deng, Q. Meng, D. E. Soltis, P. S. Soltis, D-M. Fan, and Z-Y. Zhong. 2015. Repeated range expansions and inter-/postglacial recolonization routes of *Sargentodoxa cuneata* (Oliv.) Rehd. et Wils. (Lardizabalaceae) in subtropical China revealed by chloroplast phylogeography. *Molecular Ecology*, in press.
- Germain-Aubrey, C. C., C. Nelson, P. S. Soltis, D. E. Soltis, and M. A. Gitzendanner. Are microsatellite fragment lengths useful for population-level studies? The case of *Polygala lewtonii* (Polygalaceae). *Gene*, in revision.

### **Invited Papers and Book Chapters:**

- Soltis, D. E. and P. S. Soltis. 1990. Chloroplast DNA and nuclear rDNA variation: Insights into autopolyploid and allopolyploid evolution, pp. 97-117. In S. Kawano (ed.), Biological approaches and evolutionary trends in plants. Academic Press, London.
- Soltis, P. S. and D. E. Soltis. 1990. Evolution of inbreeding and outcrossing in ferns and fern-allies. *Plant Species Biology* 5: 1-11.
- Soltis, P. S. and D. E. Soltis. 1990. Genetic variation within and among populations of ferns. *American Fern Journal* 80: 161-172.



- Soltis, P. S. and D. E. Soltis. 1991. Genetic variation in endemic and widespread plant species: Examples from Saxifragaceae and *Polystichum* (Dryopteridaceae). *Aliso* 13: 215-223.
- Soltis, D. E. and P. S. Soltis. 1993. Molecular data and the dynamic nature of polyploidy. *Critical Reviews in Plant Sciences* 12: 243-273.
- Soltis, P. S. and D. E. Soltis. 1993. Ancient DNA: Prospects and limitations. *New Zealand Journal of Botany* 31: 203-209.
- Soltis, P. S. and D. E. Soltis. 1995. Plant molecular systematics: Inferences of phylogeny and evolutionary processes. *Evolutionary Biology* 28: 139-194.
- Soltis, P. S., D. E. Soltis, S. J. Novak, J. L. Schultz, and R. K. Kuzoff. 1995. Fossil DNA: Its potential for biosystematics. In P. C. Hoch and A. G. Stephenson (eds.), *Experimental and molecular approaches to plant biosystematics*. Missouri Botanical Garden, St. Louis.
- Soltis, D. E. and P. S. Soltis. 1995. Commentary: The dynamic nature of polyploid genomes. *Proceedings of the National Academy of Sciences, USA* 92: 8089-8091.
- Soltis, P. S. and D. E. Soltis. 1996. Phylogenetic analysis of large molecular data sets. *Boletín de la Sociedad Botánica Mexicana* 59: 99-113.
- Sakai, A. K., S. G. Weller, W. L. Wagner, P. S. Soltis, and D. E. Soltis. 1997. Phylogenetic perspectives on the evolution of dioecy: Adaptive radiation in the endemic Hawaiian genera *Schiedea* and *Alsiniidendron* (Caryophyllaceae: Alsinoideae). In T. Givnish and K. Sytsma (eds.), *Molecular Evolution and Adaptive Radiation*, Academic Press.
- Soltis, D. E., M. A. Gitzendanner, D. D. Streng, and P. S. Soltis. 1997. Chloroplast DNA intraspecific phylogeography of plants from the Pacific Northwest of North America. *Plant Systematics and Evolution* 206: 353-373.
- Soltis, D. E., C. Hirsch-Jetter, P. S. Soltis, M. W. Chase, and J. S. Farris. 1997. Molecular phylogenetic relationships among angiosperms: An overview based on *rbcL* and 18S rDNA sequences. *Journal of Plant Research*.
- Soltis, P. S. and D. E. Soltis. 1998. Molecular evolution of 18S ribosomal DNA in angiosperms: Implications for character weighting in phylogenetic analysis. In D. E. Soltis, P. S. Soltis, and J. J. Doyle (eds.), *Molecular Systematics of Plants II*, Chapman and Hall, New York.
- Soltis, D. E. and P. S. Soltis. 1998. Choosing a gene and a molecular approach for phylogenetic analysis. In D. E. Soltis, P. S. Soltis, and J. J. Doyle (eds.), *Molecular Systematics of Plants II*, Chapman and Hall, New York.
- Soltis, D. E. and P. S. Soltis. 1999. Phylogenetic analyses of large data sets: Approaches using the angiosperms. In M. Kato (ed.), *The Biology of Diversity*, pp. 91-103. Springer-Verlag, Tokyo.
- Chase, M. W., D. E. Soltis, P. S. Soltis, P. J. Rudall, M. F. Fay, W. H. Hahn, S. Sullivan, J. Joseph, T. Givnish, K. J. Sytsma, and C. Pires. 2000. Higher-level systematics of the monocotyledons: an assessment of current knowledge and a new classification. In *Sydney Monocot Symposium*, pp. 3-16.
- Soltis, D. E. and P. S. Soltis. 2000. Contributions of molecular systematics to studies of molecular evolution. *Plant Molecular Biology* 42: 45-75.
- Soltis, P. S., D. E. Soltis, M. J. Zanis, and S. Kim. 2000. Basal lineages of angiosperms: Relationships and implications for floral evolution. *International Journal of Plant Sciences* 161: S97-107.
- Qiu, Y. L., J. Lee, F. Bernasconi-Quadroni, D. E. Soltis, P. S. Soltis, M. Zanis, E. A. Zimmer, Z. Chen, V. Savolainen, and M. W. Chase. 2000. Phylogeny of basal angiosperms:

- Analyses of five genes from three genomes. *International Journal of Plant Sciences* 161: S3-S27.
- Soltis, P. S. and D. E. Soltis. 2000. The role of genetic and genomic changes in the success of polyploids. *Proceedings of the National Academy of Sciences, USA* 97: 7051-7057.
- Soltis, P. S. and D. E. Soltis. 2000. The role of genetic and genomic changes in the success of polyploids. In F. Ayala, W. M. Fitch, and M. T. Clegg (eds.), *Toward a New Synthesis in Plant Evolutionary Biology*. National Academy of Sciences, Washington, DC.
- Brunsfeld, S. J., J. Sullivan, D. E. Soltis, and P. S. Soltis. 2001. Comparative phylogeography of northwestern North America: a synthesis. In J. Silvertown and J. Antonovics (eds.), *Integrating ecology and evolution in a spatial context*. Oxford, Blackwell Science.
- Soltis, P. S. and D. E. Soltis. 2001. Molecular systematics: assembling and using the Tree of Life. *Taxon* 50: 663-677.
- Soltis, P. S. and D. E. Soltis. 2003. Applying the bootstrap in phylogenetic analysis. *Statistical Science* 18: 256-267.
- Soltis, D. E. and P. S. Soltis. 2003. The role of phylogenetics in comparative genetics. *Plant Physiology* 132: 1790-1800.
- Ronse DeCraene, L. P., P. S. Soltis, and D. E. Soltis. 2003. Evolution of floral structures in basal angiosperms. *International Journal of Plant Sciences* 164: S329-S363.
- Soltis, D. E., P. S. Soltis, and J. A. Tate. 2004. Advances in the study of polyploidy since *Plant Speciation*. *New Phytologist* 161: 173-191.
- Soltis, P. S., D. E., Soltis, M. W. Chase, P. K. Endress, and P. R. Crane. 2004. The diversification of flowering plants. In J. Cracraft and M. Donoghue, eds., *The Tree of Life*, pp. 154-167. Oxford University Press, New York.
- Soltis, P. S. and D. E. Soltis. 2004. The origin and diversification of angiosperms. *American Journal of Botany* 91: 1614-1626.
- Soltis, D. E., V. A. Albert, S. Kim, M.-J. Yoo, P. S. Soltis, M. W. Frohlich, J. Leebens-Mack, H. Kong, K. Wall, H. Ma, and C. W. dePamphilis. 2004. Evolution of the Flower. In R. Henry (ed.) *Diversity and Evolution of Plants*, CABI Publishers.
- Soltis, D. E., P. S. Soltis, J. C. Pires, A. Kovarik, J. A. Tate, and E. Mavrodiev. 2004. Recent and recurrent polyploidy in *Tragopogon* (Asteraceae): cytogenetic, genomic, and genetic comparisons. *Biological Journal of the Linnean Society* 82: 485-501.
- Leitch, A. R., D. E. Soltis, P. S. Soltis, I. Leitch, and J. C. Pires (eds.). 2004. Relevance of polyploidy: ecology to genomics. *Biological Journal of the Linnean Society* 82: 409-700.
- Tate, J. A., D. E. Soltis, and P. S. Soltis. 2005. Polyploidy in plants. In T. R. Gregory, ed., *The Evolution of the Genome*, pp. 371-426. Elsevier Academic Press, San Diego.
- Soltis, P. S. 2005. Ancient and recent polyploidy in angiosperms. *New Phytologist* 166: 5-8.
- Buzgo, M., P. S. Soltis, S. Kim, and D. E. Soltis. 2005. The making of the flower. *The Biologist* 52: 149-154.
- Leebens-Mack, J., D. E. Soltis, P. S. Soltis. 2005. Plant reproductive genomics at the Plant and Animal Genome Conference. *Comparative and Functional Genomics* 6: 159-169.
- Soltis, P. S. 2006. *Tragopogon*. Flora of North America. In Flora of North America Editorial Committee, eds., *Flora of North America*, pp. 303-306. Oxford University Press, New York.
- Soltis, P. S., D. E. Soltis, S. Kim, A. Chanderbali, and M. Buzgo. 2006. Expression of floral regulators in basal angiosperms and the origin and evolution of the ABC model. In D. E.

- Soltis, J. Leebens-Mack, and P. S. Soltis (eds.), *Developmental Genetics of the Flower. Advances in Botanical Research* 44:483-506.
- Buzgo, M., Soltis, D.E., Soltis, P.S., Ma, H., Hauser, B.A., Leebens-Mack, J., Johansen, B. 2006. Perianth development in the basal monocot *Triglochin maritima* (Juncaginaceae). In J. T. Columbus, E. A. Friar, J. M. Porter, L. M. Prince, and M. G. Simpson, eds., *Proceedings of the Third International Conference on the Comparative Biology of the Monocotyledons (Monocots III)*, pp. 107-125. Rancho Santa Ana Botanic Garden, Claremont, CA.
- Soltis, D. E., A. Morris, J. McLachlan, P. Manos, and P. S. Soltis. 2006. Comparative phylogeography of eastern North America. *Molecular Ecology* 15: 4261-4293.
- Soltis, D. E., A. Chanderbali, S. Kim, M. Buzgo, and P. S. Soltis. 2007. The ABC model and its applicability to basal angiosperms. *Annals of Botany* 100: 155–163.
- Soltis, D. E., E. V. Mavrodiev, J. J. Doyle, J. Rauscher, and P. S. Soltis. 2007. ITS and ETS sequence data and phylogeny reconstruction in allopolyploids and hybrids. *Systematic Botany* 33: 7-20.
- Buggs, R. J. A., P. S. Soltis, E. V. Mavrodiev, V. V. Symonds, and D. E. Soltis. 2008. Does phylogenetic distance between parental genomes govern the success of polyploids? *Castanea* 73: 74-93.
- Soltis, D. E., C. D. Bell, S. Kim, and P. S. Soltis. 2008. The origin and early evolution of angiosperms. *Annals of the New York Academy of Sciences: The Year in Evolutionary Biology* 1133: 3-25.
- Soltis, D. E., P. S. Soltis, and W. S. Judd. 2009. *Tolmiea*. In Flora of North America Editorial Committee, eds., *Flora of North America*, pp. 80-82. Oxford University Press, New York.
- Soltis, D. E., P. S. Soltis, and W. Judd. 2009. Taxonomic treatment of *Tolmiea*. In B. Baldwin (ed.), *California Flora*. University of California Press, Berkeley, CA.
- Doyle, J. J., L. E. Flagel, A. H. Paterson, R. A. Rapp, D. E. Soltis, P. S. Soltis, and J. F. Wendel. 2008. Evolutionary genetics of genome merger and doubling in plants. *Annual Review of Genetics* 42: 443-461.
- Löhne, C., M.-J. Yoo, T. Borsch, J. Wiersema, V. Wilde, C. D. Bell, W. Barthlott, D. E. Soltis, and P. S. Soltis. 2008. Biogeography of Nymphaeales: extant patterns and historical events. *Taxon* 57: 1123-1146.
- Duarte, J. M., P. K. Wall, L. M. Zahn, P. S. Soltis, D. E. Soltis, J. Leebens-Mack, H. Ma, C. W. dePamphilis. 2008. Utility of *Amborella trichopoda* and *Nuphar advena* expressed sequence tags for comparative sequence analysis. *Taxon* 57.
- Soltis, D. E., V. A. Albert, J. Leebens-Mack, C. D. Bell, A. Paterson, C. Zheng, D. Sankoff, C. W. dePamphilis, P. K. Wall, and P. S. Soltis. 2009. Polyploidy and angiosperm diversification. *American Journal of Botany* 96: 336-348.
- Soltis, P. S., S. F. Brockington, M.-J. Yoo, A. Piedrahita, M. Latvis, M. J. Moore, A. S. Chanderbali, and D. E. Soltis. 2009. Floral variation and floral genetics in basal angiosperms. *American Journal of Botany* 96: 110-128.
- Soltis, P. S. and D. E. Soltis. 2009. The role of hybridization in plant speciation. *Annual Review of Plant Biology* 60: 561-588.
- Soltis, D. E., M. J. Moore, G. Burleigh, and P. S. Soltis. 2009. Molecular markers and concepts of plant evolutionary relationships: progress, promise and future prospects. *Critical Reviews in Plant Science* 28: 1-15.

- Soltis, D. E., R. J. A. Buggs, W. B. Barbazuk, P. S. Schnable, P. S. Soltis. 2009. On the Origins of Species: Does Evolution Repeat Itself in Polyploid Populations of Independent Origin? *Cold Spring Harbor Symposia on Quantitative Biology*, Volume LXXIV.
- Buggs, R. J. A., N. M. Elliott, L. Zhang, J. Koh, L. F. Viccini, D. E. Soltis, and P. S. Soltis. 2010. Tissue-specific silencing of homoeologs in natural populations of the recent allopolyploid *Tragopogon mirus*. *New Phytologist* 186: 175-183.
- Buggs, R. J. A., S. Chamala, W. Wu, L. Gao, G. D. May, P. S. Schnable, D. E. Soltis, P. S. Soltis, and W. B. Barbazuk. 2010. Characterization of duplicate gene evolution in the recent natural allopolyploid *Tragopogon miscellus* by next-generation sequencing and Sequenom iPLEX MassARRAY genotyping. *Molecular Ecology* 19: 132-146.
- Soltis, D. E., M. J. Moore, G. Burleigh, C. D. Bell, and P. S. Soltis. 2010. Assembling the angiosperm tree of life: progress and future prospects. *Annals of the Missouri Botanical Garden* 97: 514-526.
- Givnish, T. J., J. H. Leebens-Mack, M. Ames Sevillano, J. R. McNeal, P. R. Steele, J. I. Davis, C. Ané, C. W. dePamphilis, M. A. Gandolfo, S. W. Graham, J. C. Pires, D. W. Stevenson, W. B. Zomlefer, B. G. Briggs, L. G. Clark, M. R. Duvall, A. Moore, M. Moore, D. E. Soltis, P. S. Soltis, and K. Thiele. 2010. Assembling the tree of the monocotyledons: Plastome sequence phylogeny and evolution of Poales. *Annals of the Missouri Botanical Garden* 97: 584-616.
- Soltis, P. S., J. G. Burleigh, A. S. Chanderbali, M.-J. Yoo, and D. E. Soltis. 2010. Gene and genome duplication in plants. In K. Dittmar and D. Liberles (eds.), *Evolution After Genome Duplication*, pp. 369-398.
- Soltis, D. E., G. Burleigh, W. B. Barbazuk, M. J. Moore, and P. S. Soltis. 2010. Advances in the use of next-generation sequence data in plant systematics and evolution. *Acta Horticulturae* 859: 193-206.
- Soltis, D. E., R. J. A. Buggs, J. J. Doyle, and P. S. Soltis. 2010. What we still don't know about polyploidy. *Taxon* 59: 1387-1403.
- Buggs, R. J. A., P. S. Soltis, and D. E. Soltis. 2011. Biosystematic relationships and the formation of polyploids. *Taxon* 60: 324-332.
- Galbraith, D. W., J. L. Bennetzen, E. A. Kellogg, J. C. Pires, and P. S. Soltis. 2011. The genomes of all angiosperms: A call for a coordinated global census. *Journal of Botany*: 646198.
- Burleigh, J. G., W. B. Barbazuk, J. M. Davis, A. M. Morse, and P. S. Soltis. 2011. Exploring diversification and genome size evolution in gymnosperms through phylogenetic synthesis. *Journal of Botany*: 292857.
- Buggs, R. J. A., S. Renny-Byfield, M. Chester, I. E. Jordon-Thaden, L. Facio Viccini, S. Chamala, A. R. Leitch, P. S. Schnable, W. B. Barbazuk, P. S. Soltis, and D. E. Soltis. 2012. Next-generation sequencing and genome evolution in allopolyploids. *American Journal of Botany* 99: 372-382.
- Mavrodiev, E., D. E. Soltis, A. K. Calaminus, R. M. Baldini, P. S. Soltis. 2012. A seven nuclear genes (*Adh*, *GapC*, *LFY*, *PI*, ITS, ETS, and *AP3*) supermatrix-based molecular phylogeny of *Tragopogon* L. (Asteraceae) is still largely unresolved. *Webbia* 67: 111-137.
- Soltis, P. S. and D. E. Soltis. 2013. Angiosperm phylogeny: A framework for studies of genome evolution. In I. Leitch, J. Dolezel, J. Greilhuber, (eds.), *Diversity of Plant Genomes*. Springer, Vienna.
- Soltis, D. E., R. J. A. Buggs, W. B. Barbazuk, S. Chamala, M. Chester, J. P. Gallagher, P. S. Schnable, and P. S. Soltis. 2012. Rapid and repeated evolution in the early stages of

- polyploidy: genomic and cytogenetic studies of recent polyploidy in *Tragopogon*. In P. S. Soltis and D. E. Soltis (eds.), *Polyploidy and Genome Evolution*. Springer, Heidelberg.
- Chanderbali, A. S., D. E. Soltis, P. S. Soltis, and B. N. Wolstenholme. 2013. Taxonomy and botany. In B. Schaffer, A. W. Whaley, and N. Wolstenholme (eds.), *The Avocado: Botany, Production and Uses*. CABI Publishers, New York.
- Soltis, D. E., M. A. Gitzendanner, G. Stull, M. Chester, A. Chanderbali, S. Chamala, I. Jordon-Thaden, P. S. Soltis, P. S. Schnable, and W. B. Barbazuk. 2013. The potential of genomics in plant systematics. *Taxon* 62: 886-898.
- Soltis, P. S. and D. E. Soltis. 2013. A conifer genome spruces up plant phylogenomics. *Genome Biology* 14: 122.
- Matsunaga, A., A. Thompson, R. J. Figueiredo, C. C. Germain-Aubrey, M. Collins, R. S. Beaman, B. J. MacFadden, G. Riccardi, P. S. Soltis, L. M. Page, and J. A. B. Fortes. 2013. A Computational- and Storage-Cloud for Integration of Biodiversity Collections. *Proceedings of the 2013 IEEE 9th International Conference on e-Science*, Beijing, China, pp. 78-87. doi:10.1109/eScience.2013.48.
- Soltis, P. S. and D. E. Soltis. 2014. Flower diversity and angiosperm diversification. Pp. 85-102 in J. L. Riechmann and F. Wellmer (eds.), *Flower Development: Methods and Protocols, Protocols, Methods in Molecular Biology*, vol. 1110, DOI 10.1007/978-1-4614-9408-9\_4. Springer, New York.
- Crawford, D. J., J. J. Doyle, D. E. Soltis, P. S. Soltis and J. F. Wendel. 2014. Contemporary and future studies in plant speciation, morphological-floral evolution and polyploidy: honouring the scientific contributions of Leslie D. Gottlieb to plant evolutionary biology *Philosophical Trans. R. Soc. B* 369 20130341. <http://dx.doi.org/10.1098/rstb.2013.0341>.
- Soltis, P. S., X. Liu, D. B. Marchant, C. V., and D. E. Soltis 2014. Polyploidy and novelty: Gottlieb's legacy. *Phil. Trans. R. Soc. B* 369: 20130351.
- Buggs, R. J. A., J. F. Wendel, J. J. Doyle, D. E. Soltis, P. S. Soltis, and J. Coate. 2014. The legacy of diploid progenitors in allopolyploid gene expression patterns. *Phil. Trans. R. Soc. B* 369: 20130354.
- Neubig, K. M., W. M. Whitten, J. R. Abbott, S. Elliott, D. E. Soltis, and P. S. Soltis. 2014. Variables affecting DNA preservation in archival plant specimens. In W. L. Applequist and L. M. Campbell (eds.), *DNA Banking for the 21<sup>st</sup> Century: Proceedings of the U.S. Workshop on DNA Banking*, pp. 81-136. William Brown Center, Missouri Botanical Garden, St. Louis, MO.
- Endara, L., J. A. Soto-Centeno, T. A. Lott, and P. S. Soltis. 2014. Preserving biodiversity for long-term research: The Genetic Resources Repository of the Florida Museum of Natural History. In W. L. Applequist and L. M. Campbell (eds.), *DNA Banking for the 21<sup>st</sup> Century: Proceedings of the U.S. Workshop on DNA Banking*, pp. 49-58. William Brown Center, Missouri Botanical Garden, St. Louis, MO.
- Godden, G. T. and P. S. Soltis. 2014. In W. L. Applequist and L. M. Campbell (eds.), *DNA Banking for the 21<sup>st</sup> Century: Proceedings of the U.S. Workshop on DNA Banking*, pp. 173-181. William Brown Center, Missouri Botanical Garden, St. Louis, MO.
- Soltis, D. E., C. Visger, and P. S. Soltis. 2014. The evolutionary importance of polyploidy, then... and now: Stebbins revisited. *American Journal of Botany* 10.3732/ajb.1400178.
- Yoo, M.-J., X. Liu, J. C. Pires, P. S. Soltis, and D. E. Soltis. 2014. Non-additive gene expression in polyploids. *Annual Review of Genetics* 48: 485-517.

Judd, W. S., D. E. Soltis, and P. S. Soltis. Phylogenetic definitions for clades of angiosperms. *In* K. De Queiroz, J. Gautier, and P. Cantino (eds), Companion Volume to the PhyloCode: in press.

### **Invited Book Reviews:**

Soltis, P. S. 2007. Linnaeus lives on: A Review of *Order Out of Chaos*, by C. Jarvis. *Nature* 448: 868-869.

Soltis, P. S. 2007. Plants, biodiversity, and climate change: Fall Focus on Books. *BioScience* 57: 783-786.

### **Books:**

Soltis, D. E. and P. S. Soltis (eds.). 1989. *Isozymes in Plant Biology*. Dioscorides Press, Portland.

Soltis, P. S., D. E. Soltis, and J. J. Doyle (eds.). 1992. *Molecular Systematics of Plants*. Chapman and Hall, New York.

Soltis, D. E., P. S. Soltis, and J. J. Doyle (eds.). 1998. *Molecular Systematics of Plants II*. Chapman and Hall, New York.

Soltis, D. E., P. S. Soltis, P. K. Endress, and M. W. Chase. 2005. *Phylogeny and Evolution of Angiosperms*. Sinauer Associates, Sunderland, MA.

Soltis, D. E., J. Leebens-Mack, and P. S. Soltis (eds.). 2006. *Developmental Genetics of the Flower*. Advances in Botanical Research, vol. 44. Academic Press/Elsevier, San Diego and Amsterdam.

Soltis, P. S. and D. E. Soltis (eds.). 2012. *Polyploidy and Genome Evolution*. Springer, Heidelberg.

Stuessy, T., D. J. Crawford, D. E. Soltis, and P. S. Soltis. 2014. *Plant Systematics: The Origin, Interpretation, and Ordering of Plant Biodiversity*. Regnum Vegetabile XXX, International Association for Plant Taxonomy, Vienna.

Soltis, D. E., P. K. Endress, S. R. Manchester, M. W. Chase, W. S. Judd, L. Majure, E. V. Mavrodiev, and P. S. Soltis. 2005. *Phylogeny and Evolution of Angiosperms*. University of Chicago Press, Chicago, IL.

### **Editing:**

Soltis, P. S. and D. E. Soltis. 1995. Alternative Genes for Phylogenetic Reconstruction in Plants, *Annals of the Missouri Botanical Garden* 82 (3): 147-321.

Leitch, A. R., I. Leitch, J. C. Pires, D. E. Soltis, and P. S. Soltis. 2004. Proceedings of the International Polyploidy Conference, *Botanical Journal of the Linnean Society*.

Borsch, T. and P. S. Soltis. 2008. Biology and Evolution of Nymphaeales. *Taxon*.

Guest Editor, Special issue of *New Phytologist*, International Conference on Polyploidy, Hybridization, and Biodiversity, February, 2010.

### **Reports:**

- Richter, T. S., P. S. Soltis, and D. E. Soltis. 1991. Genetic variation within and among populations of the narrow endemic, *Delphinium viridescens*. USFS, Wenatchee National Forest, Wenatchee, WA.
- Mishler, B. D., P. S. Soltis, and D. E. Soltis. 1998. Compartmentalization in phylogeny reconstruction: Philosophy and practice. DIMACS Report, Princeton, NJ.

**Invited Presentations at Meetings and Conferences:**

- P. S. Soltis and D. E. Soltis. 1987. Quantitative estimates of gene flow in homosporous ferns. (Presented at the XIV International Botanical Congress, Berlin.)
- D. E. Soltis and P. S. Soltis. 1987. Genetic consequences of autopolyploidy in Saxifragaceae. (Presented at the XIV International Botanical Congress, Berlin.)
- P. S. Soltis and D. E. Soltis. 1988. Genetic variation within and among fern populations. (Presented in the symposium "Population Biology of Pteridophytes" at the annual meeting of the American Institute of Biological Sciences.)
- P. S. Soltis. 1989. Genetic variation in endemic plant species. (Presented at the Rancho Santa Ana Botanic Garden Systematics Symposium.)
- P. S. Soltis and D. E. Soltis. 1989. Evolution of inbreeding and outbreeding in ferns and fern-allies. (U.S. - Japan seminar, "Evolutionary studies on sexual systems in plants," National Institute of Genetics, Mishima, Japan.)
- D. E. Soltis and P. S. Soltis. 1989. Chloroplast DNA variation in plants: insights into allopolyploidy and autopolyploidy. (Presented at the 4th International Symposium of the International Organization of Plant Biosystematists, Kyoto, Japan.)
- D. E. Soltis, P. S. Soltis, M. T. Clegg, and M. Durbin. 1990. *rbcL* sequence divergence and phylogenetic relationships in Saxifragaceae *sensu lato*. (Presented in a symposium at the annual meeting of the American Institute of Biological Sciences.)
- D. E. Soltis, P. S. Soltis, and P. G. Wolf. 1990. Isozyme evidence for genetic diploidy in homosporous pteridophytes. (Presented at the International Pteridological Congress.)
- P. S. Soltis, D. E. Soltis, and P. G. Wolf. 1990. Allozymic and chloroplast DNA analyses of polyploidy in *Polystichum*. (Presented at the International Pteridological Congress.)
- P. S. Soltis and D. E. Soltis. 1992. Fossil DNA: Its potential for biosystematics. (Presented at the 5th International Symposium of the International Organization of Plant Biosystematists.)
- A. K. Sakai, S. G. Weller, W. L. Wagner, P. S. Soltis, and D. E. Soltis. 1992. The evolution of dioecy in *Schiedea*, an endemic Hawaiian genus: Phylogenetic inferences. (Presented in a symposium at the annual meeting of the American Institute of Biological Sciences.)
- P. S. Soltis. 1992. Miocene plant DNAs: Prospects and limitations. (Presented at U.S. - New Zealand workshop on Molecular Evolution.)
- P. S. Soltis and D. E. Soltis. 1993. Geographic structuring of chloroplast genomes in plants. (Symposium at the annual meeting of the American Institute of Biological Sciences.)
- P. S. Soltis. 1994. Potential and pitfalls of fossil DNA analysis. (Symposium at the joint meeting of the Society of Systematic Biologists and the Society for the Study of Evolution.)
- Q.-Y. Xiang, D. E. Soltis, and P. S. Soltis. 1994. Phylogenetic relationships and genetic divergence of disjunct taxa from eastern Asia and North America inferred from molecular

- data: Examples from Cornaceae, Hydrangeaceae, and Saxifragaceae. (Symposium at the annual meeting of the American Institute of Biological Sciences.)
- G. M. Plunkett, P. S. Soltis, D. E. Soltis, P. G. Martin, and D. R. Morgan. 1995. Phylogeny, biogeography, and adaptive radiation of the Proteaceae. (Molecular Evolution and Adaptive Radiation Symposium, preceding annual meeting of the Society for the Study of Evolution and the Society of Systematic Biologists.)
- P. S. Soltis and D. E. Soltis. 1995. Phylogenetic analysis of large molecular data sets. (Symposium at the Mexican Botanical Congress.)
- P. S. Soltis and D. E. Soltis. 1996. Molecular evolution of 18S rDNA in angiosperms. (Symposium at the annual meeting of the American Institute of Biological Sciences.)
- D. E. Soltis, P. S. Soltis, D. L. Nickrent, et al. 1996. Phylogenetic relationships among angiosperms inferred from 18S rDNA sequences. (Symposium at the annual meeting of the American Institute of Biological Sciences.)
- P. S. Soltis. 1996. Isozyme analysis: Applications for systematics, population genetics, and conservation biology. (IV European Conference on Plant Taxonomy.)
- P. S. Soltis. 1997. Molecular phylogenetics of angiosperms: Congruent patterns inferred from multiple genes. (Keystone Symposium: Evolution of Plant Development.)
- P. S. Soltis and D. E. Soltis. 1997. Using ancestral states as terminal taxa: An empirical approach. (Symposium at the annual meeting of the Society of Systematic Biologists.)
- P. S. Soltis. 1997. Introduction to molecular phylogenetics, with applications to angiosperm phylogeny. (Molecular Evolution Workshop, Woods Hole, MA.)
- P. S. Soltis. 1998. Genetic and evolutionary consequences of polyploidy. The Margaret Menzel Address, Genetics Section, Botanical Society of America (Presented at the annual meeting of the American Institute of Biological Sciences.)
- P. S. Soltis. 1999. Angiosperm phylogeny: Inferences from multiple genes. (Symposium on Plant Phylogeny, Xalapa, Mexico.)
- P. S. Soltis, D. E. Soltis, M. Zanis, and S. Kim. 1999. Basal lineages of angiosperms: evidence from multiple genes. (XVI International Botanical Congress).
- Y.-L. Qiu, J. Lee, F. Bernasconi-Quadroni, D. E. Soltis, P. S. Soltis, M. Zanis, E. A. Zimmer, Y. Suh, J. A. Doyle, P. K. Endress, A. Igersheim, W. E. Friedman, S. K. Floyd, O. I. Nandi, and M. W. Chase. 1999. Phylogeny of basal angiosperms: Evidence from mitochondrial, chloroplast, and nuclear genomes, phytochemistry, and morphology. (XVI International Botanical Congress).
- D. E. Soltis, P. S. Soltis, and M. W. Chase. 1999. Angiosperm phylogeny inferred from a combined data set of 18S rDNA, rbcL, and atpB sequences. (XVI International Botanical Congress).
- P. S. Soltis. 2000. The role of genetic and genomic changes in the success of polyploids. (National Academy of Sciences Colloquium).
- M. A. Gitzendanner and P. S. Soltis. 2000. Using alternative species concepts for listing plants under ESA. (Society of Conservation Biologists).
- P. S. Soltis. 2000. Molecular phylogenetics and beyond. (Botanical Society of America).
- P. S. Soltis. 2002. Floral evolution in basal angiosperms. (Flowers Symposium to honor Peter Endress, University of Zurich).
- D. E. Soltis and P. S. Soltis. 2002. (Symposium to honor life and work of Charles Werth, Botanical Society of America/American Fern Society, Madison, WI).
- P. S. Soltis. 2003. Conference summary. International Polyploidy Conference, London.



- P. S. Soltis. 2004. Polyploidy in *Tragopogon*. (International Organization of Plant Biosystematists, Valencia, Spain).
- P. S. Soltis, P. S. Manos, S. R. Manchester, C. D. Bell, and D. E. Soltis. 2004. Conceptual and empirical perspectives on integrating fossils and extant taxa in phylogenetic analyses. (Botanical Society of America).
- P. S. Soltis and D. E. Soltis. 2005. Floral gene expression in basal angiosperms: Alternatives to the ABC model. (International Botanical Congress, Vienna).
- S. Kim, J. Koh, A. Chanderbali, P. S. Soltis, and D. E. Soltis. 2005. Floral organ identities and expression of MADS-box genes in Magnoliales. (International Botanical Congress, Vienna).
- J. A. Tate, Z. J. Chen, P. S. Soltis, and D. E. Soltis. 2005. Genetic and genomic consequences of recent and recurrent allopolyploidy in *Tragopogon* (Asteraceae). (International Botanical Congress, Vienna).
- P. S. Soltis. 2005. The origin and diversification of flowering plants: molecular perspectives on Darwin's abominable mystery. (American Institute of Biological Sciences Evolution Symposium at the annual meeting of the National Association of Biology Teachers).
- P. S. Soltis. 2006. Molecules and genes spanning the Tree of Life. (Tree of Life Symposium at AAAS annual meeting).
- P. S. Soltis. 2006. Presidential Address, Society of Systematic Biologists.
- A. Chanderbali, N. Altman, Q. Zhang, D. E. Soltis, P. S. Soltis. 2007. Floral gene expression and perianth evolution in *Persea* (Lauraceae). (Invited Symposium Plant and Animal Genome Conference, San Diego).
- P. S. Soltis. 2007. Gene Loss in Recent Allotetraploid Species of *Tragopogon* (Compositae). (International Polyploidy Conference, Beijing).
- P. S. Soltis. 2007. Presidential Address, Botanical Society of America.
- J. W. Clayton, E. S. Fernando, P. S. Soltis, and D. E. Soltis. 2007. Molecular phylogeny and biogeography of the Simaroubaceae (Sapindales) based on chloroplast and nuclear markers. (Botanical Society of America, Chicago, IL).
- P. S. Soltis. 2009. Natural and Synthetic Polyploids in *Tragopogon*: Does Evolution Repeat Itself? (International Polyploidy Conference, St. Malo, France).
- P. S. Soltis. 2009. Whole-genome duplication in plant evolution: Ancient events and recent speciation. (Florida Genetics Annual Symposium, Gainesville).
- P. S. Soltis. 2010. Revising the Plant Branch of Darwin's Tree of Life. (American Genetics Association Annual Genetics Workshop Special Lecture, White Oak Conservation Center, FL).
- P. S. Soltis. 2010. Genome Evolution in Allopolyploid *Tragopogon* Species. (New Frontiers in Plant Systematics and Evolution, Beijing).
- P. S. Soltis. 2010. Recent and Recurrent Polyploidy in *Tragopogon*: Genetic & Evolutionary Consequences. (Symposium American Society of Plant Biologists, Montreal).
- P. S. Soltis. 2010. My-Plant.org, A Social Network for the Plant Sciences. (World Gesneriaceae Conference, Sarasota, FL).
- P. S. Soltis. 2011. Angiosperm Phylogeny: The Role of Polyploidy in Diversification and Genome Evolution (Annals of Botany Lecture, Botany 2011, Botanical Society of America, St. Louis, MO).
- P. S. Soltis. 2011. Phylogenetic Analyses of Angiosperms and Gene Families. (Comparative Genomics Workshop, University of California, Davis, CA).

- P. S. Soltis. 2011. Next-Generation Sequencing and the Analysis of Reticulate Speciation. (Next-Generation Ecology and Evolution, Edinburgh, Scotland).
- P. S. Soltis. 2013. iDigBio Portal Demonstration. (Society for the Preservation of Natural History Collections, Rapid City, SD).
- P. S. Soltis. 2013. Polyploidy, Genome Evolution, and Evolutionary Novelty in *Tragopogon* (Asteraceae). (Plant Genome Evolution, Amsterdam).
- P. S. Soltis. 2013. Polyploidy, Genome Evolution, and Evolutionary Novelty in *Tragopogon* (Asteraceae). (Plant Genome Dynamics, Banyuls-sur-Mer, France).
- P. S. Soltis. 2013. The Role of Polyploidy in Angiosperm Diversification. (Mexican Botanical Congress, Keynote speaker).
- P. S. Soltis. 2014. Digitized Herbarium Data and Studies in Plant Diversity. (Plant Systematics and Evolution Workshop, Zhejiang University, Hangzhou, China).
- P. S. Soltis. 2014. Introduction to iDigBio. (Botany 2014, Boise, ID).
- P. S. Soltis and G. T. Godden. 2014. DNA Banks, Specimen Records, and GenBank Numbers: Toward an Integrated Network of Genetic Resources. (Botany 2014, Boise, ID).
- P. S. Soltis. 2014. Linking Diverse Data in Studies of Plant Evolution: *Case Studies in Progress*. (Taxonomic Database Working Group Conference, Jonkoping, Sweden).
- P. S. Soltis. 2014. Genome Duplication and Angiosperm Diversification. (Symposium honoring Sir P. Crane, 2014 recipient of Japan's International Prize in Biology).
- P. S. Soltis and D. E. Soltis. 2014. Genome Duplication and Angiosperm Diversification. (Retirement symposium for Prof. M. T. Clegg, Beckman Center, UC-Riverside).

#### **Abstracts of Papers Presented at Meetings (through 2007):**

- Soltis, P. S. and D. E. Soltis. 1986. Genetic variation and estimates of gene flow in *Polystichum munitum* (Dryopteridaceae). (Presented at the annual meeting of the Northwest Scientific Association.)
- Soltis, P. S. and D. E. Soltis. 1986. Genetic variation and estimates of gene flow in *Polystichum munitum* (Dryopteridaceae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Ness, B. D., D. E. Soltis, and P. S. Soltis. 1986. Autopolyploidy in *Heuchera micrantha* Dougl. (Saxifragaceae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Soltis, P. S. and D. E. Soltis. 1987. Estimated rates of intragametophytic selfing in lycopods. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Soltis, P. S. and D. E. Soltis. 1987. Genetic differentiation between two closely related species of *Polystichum* (Dryopteridaceae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Soltis, D. E. and P. S. Soltis. 1987. Genetic consequences of autopolyploidy in *Tolmiea menziesii* (Saxifragaceae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Soltis, D. E., P. S. Soltis, and R. D. Noyes. 1987. Electrophoretic estimates of intragametophytic selfing in *Equisetum arvense*. (Presented at the annual meeting of the American Institute of Biological Sciences.)

- Ness, B. D., D. E. Soltis, and P. S. Soltis. 1987. Isozyme numbers and allozyme differentiation in *Calochortus* subsection *Nudi* (Liliaceae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Ness, B. D., D. E. Soltis, and P. S. Soltis. 1987. Isozyme numbers and allozyme differentiation in *Calochortus* subsection *Nudi* (Liliaceae). (Presented at the annual meeting of the Northwest Scientific Association.)
- Wolf, P. G., P. S. Soltis, and D. E. Soltis. 1987. Autopolyploid evolution in *Heuchera grossulariifolia* (Saxifragaceae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Soltis, D. E., P. S. Soltis, and B. D. Ness. 1988. Chloroplast DNA variation and multiple origins of autopolyploidy in *Heuchera micrantha* (Saxifragaceae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Wolf, P. G., P. S. Soltis, and D. E. Soltis. 1988. Chloroplast DNA variation in *Heuchera grossulariifolia* (Saxifragaceae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Kirkpatrick, R. E. B., P. S. Soltis, and D. E. Soltis. 1988. An analysis of the mating system of *Gymnocarpium dryopteris* ssp. *disjunctum*. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Wolf, P. G., P. S. Soltis, and D. E. Soltis. 1988. Autopolyploidy and tetrasomic inheritance in *Heuchera grossulariifolia*. (Presented at the annual meeting of the Northwest Scientific Association.)
- Brunsfeld, S. J., D. E. Soltis, and P. S. Soltis. 1988. Chloroplast DNA systematics of *Salix* Section *Longifoliae*. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Diggs, G. M., D. E. Soltis, and P. S. Soltis. 1988. Hybridization and genetic variation in *Arctostaphylos* (Ericaceae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Ranker, T. A., D. E. Soltis, P. S. Soltis, and A. J. Gilmartin. 1988. Molecular systematics of familial and subfamilial relationships of the Bromeliaceae. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Brunsfeld, S. J., D. E. Soltis, and P. S. Soltis. 1989. Patterns of genetic variation and evolutionary processes in *Salix* Section *Longifoliae*. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Wolf, P. G., P. S. Soltis, and D. E. Soltis. 1989. Patterns of allozyme divergence and levels of gene flow in the *Ipomopsis aggregata* complex (Polemoniaceae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Brochmann, C., P. S. Soltis, and D. E. Soltis. 1989. Evolutionary trends in Nordic populations of *Draba* (Brassicaceae). (Poster presented at the 4th International Symposium of Plant Biosystematics, Kyoto, Japan.)
- Soltis, P. S. and D. E. Soltis. 1990. Multiple origins of allotetraploidy in *Tragopogon*: Promiscuity on the Palouse. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Mayer, M., D. E. Soltis, P. S. Soltis, and M. Edgerton. 1990. Chloroplast DNA variation in *Tellima grandiflora*: phylogenetic and phytogeographic implications. (Presented at the annual meeting of the American Institute of Biological Sciences.)

- Brunsfeld, S. J., D. E. Soltis, and P. S. Soltis. 1991. Chloroplast DNA variation and phylogenetic relationships of the big-bracted dogwoods (*Cornus*). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Richter, T. S., P. S. Soltis, and D. E. Soltis. 1991. Conservation genetics of the narrow endemic, *Delphinium viridescens*. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Plunkett, G. M., S. J. Novak, P. S. Soltis, and D. E. Soltis. 1991. Molecular evidence of multiple origins in the allotetraploids *Tragopogon miscellus* and *T. mirus* (Asteraceae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Soltis, P. S., D. E. Soltis, and C. J. Smiley. 1991. Fossil DNA: an *rbcL* sequence from a Miocene *Taxodium*. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Soltis, D. E. and P. S. Soltis. 1991. Phylogeographic implications of intraspecific cpDNA variation. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Xiang, Q.-Y., S. J. Brunsfeld, D. E. Soltis, and P. S. Soltis. 1991. Molecular Systematics of *Cornus* L.s.l. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Novak, S. J., D. E. Soltis, and P. S. Soltis. 1991. Geographical distribution and abundance of allotetraploid *Tragopogon* species: the history of range expansion. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Haufler, C. H., E. Rabe, D. E. Soltis, and P. S. Soltis. 1991. Developing a picture of phylogenetic relationships among diploid species in the *Polypodium vulgare* complex. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Mayer, M. S. and P. S. Soltis. 1991. Phylogenetic studies in *Lens* (Leguminosae), and the identification of the progenitor of the domesticated lentil. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Novak, S. J. and P. S. Soltis. 1991. Intraspecific cpDNA variation in four species of *Lomatium* (Umbelliferae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Morgan, D. R., D. E. Soltis, and P. S. Soltis. 1991. Phylogenetic relationships in Saxifragaceae *sensu lato* and Rosales based on *rbcL* sequence data. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Wolf, P. G., P. S. Soltis, and D. E. Soltis. 1992. Molecular phylogeny of dennstaedtioid ferns using DNA sequence analysis. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Mayer, M. S., P. S. Soltis, and D. E. Soltis. 1992. Allozyme variation and patterns of evolution in the *Streptanthus glandulosus* complex (Cruciferae), a group of serpentine endemics. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Plunkett, G. M., D. E. Soltis, and P. S. Soltis. 1992. Molecular phylogenetic study of Apiales (Apiaceae, Araliaceae, and Pittosporaceae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Novak, S. J. and P. S. Soltis. 1992. Phylogenetic relationships among Tuberous *Lomatium* species: chloroplast DNA evidence. (Presented at the annual meeting of the American Institute of Biological Sciences.)

- Wolf, P. G., D. E. Soltis, and P. S. Soltis. 1992. Relationships among dennstaedtioid ferns based on *rbcL* sequence variation. (Presented at the 5th International Symposium of the International Organization of Plant Biosystematists.)
- Plunkett, G. M., D. E. Soltis, P. S. Soltis, and R. Brooks. 1993. Phylogenetic relationships between Juncaceae and Cyperaceae based on *rbcL* sequence data. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Schultz, J. L., D. E. Soltis, P. S. Soltis, and L. A. Johnson. 1993. ORFK sequence and phylogenetic relationships in *Leptodactylon* and *Linanthus* (Polemoniaceae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Mayer, M. S. and P. S. Soltis. 1993. Evolutionary patterns and processes in a serpentine species complex: cpDNA restriction site analyses in the *Streptanthus glandulosus* complex (Cruciferae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Bayer, R. J., D. E. Soltis, and P. S. Soltis. 1994. A molecular phylogeny of *Antennaria* (Asteraceae) based on ITS sequences. (Presented at the annual meeting of the Canadian Botanical Association.)
- Hardig, T. M. and P. S. Soltis. 1994. Monophyly and interspecific relationships of the *Euryptera* group (*Lomatium*) based on ITS sequences. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Johnson, L. A., D. E. Soltis, and P. S. Soltis. 1994. Phylogenetic affinities of *Gilia* section *Kelloggia* (Polemoniaceae): Inferences from chloroplast DNA *matK* sequences, nuclear ITS sequences, and morphology. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Plunkett, G. M., D. E. Soltis, and P. S. Soltis. 1994. Phylogenetic relationships within and between Araliaceae and Apiaceae based on *rbcL* and *matK* sequence data. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Schultz, J. L., P. S. Soltis, D. E. Soltis, and L. M. Cook. 1994. Polyploid speciation in *Linanthus* sect. *Siphonella* (Polemoniaceae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Soltis, D. E., P. S. Soltis, D. R. Morgan, S. M. Swensen, P. G. Martin, B. C. Mullin, and J. M. Dowd. 1994. *rbcL* sequence data suggest a single origin of symbiotic nitrogen fixation in angiosperms. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Streng, D. D., D. E. Soltis, and P. S. Soltis. 1994. Geographic patterns of chloroplast DNA variation in the fern *Polystichum munitum* (Dryopteridaceae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Soltis, P. S., D. E. Soltis, D. L. Nickrent, L. A. Johnson, R. K. Kuzoff, J. A. Sweere, and E. A. Zimmer. 1995. Angiosperm phylogeny inferred from 18S rDNA sequences. (Presented at the joint annual meeting of the Society for the Study of Evolution and the Society of Systematic Biologists.)
- Soltis, P. S., S. J. Novak, T. M. Hardig, and D. E. Soltis. 1995. Phylogenetic relationships and rapid radiation in *Lomatium* (Apiaceae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Schultz, J. L. and P. S. Soltis. 1995. Geographic divergence in *Leptodactylon californicum*: Insights from morphology, enzyme electrophoresis, and restriction site analysis of rDNA. (Presented at the annual meeting of the American Institute of Biological Sciences.)

- Johnson, L. A., D. E. Soltis, P. S. Soltis, and J. M. Porter. 1995. Molecular phylogenetic inferences in Polemoniaceae: testing congruence between plastid *matK* and nuclear rDNA gene trees. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Bayer, R., D. Soltis, and P. Soltis. 1995. A molecular phylogeny of *Antennaria* (Asteraceae: Gnaphalieae) based on ITS sequences. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Soule, J. A., D. E. Soltis, and P. S. Soltis. 1995. Geographic patterns of chloroplast DNA variation in *Ribes bracteosum* (Grossulariaceae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Cook, L. M. and P. S. Soltis. 1996. Outcrossing rates in diploid and allotetraploid populations of *Tragopogon* (Asteraceae). (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Mayer, M. S., P. S. Soltis, D. E. Soltis, and T. M. Hardig. 1996. Evolution of the *Streptanthus glandulosus* complex: insights from comparison of three molecular data sets. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Rodman, J., P. S. Soltis, D. E. Soltis, and K. J. Sytsma. 1996. Dual origin of mustard oil biosynthesis inferred from congruent nuclear 18S ribosomal RNA and plastid *rbcL* gene phylogenies. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Hardig, T. M., P. S. Soltis, and D. E. Soltis. 1996. Taxonomic and biogeographic implications for *Ceanothus* (Rhamnaceae) based on phylogenetic analysis of *matK* sequences. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Cook, L. M., P. S. Soltis, S. J. Brunfeld, and D. E. Soltis. 1997. Multiple independent origins of tetraploid *Tragopogon* species: Evidence from RAPD markers. (Presented at the annual meeting of the Society for the Study of Evolution.)
- Gitzendanner, M. A. and P. S. Soltis. 1997. Patterns of genetic diversity in rare and widespread plant congeners: Do rare species have low genetic variability? (Presented at the annual meeting of the Society for the Study of Evolution.)
- Chase, M. W., A. V. Cox, D. E. Soltis, P. S. Soltis, M. E. Mort, V. Savolainen, G. Reeves, S. B. Hoot, and C. M. Morton. 1997. Large DNA sequence matrices, phylogenetic signal, and feasibility: an empirical approach. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- R. K. Kuzoff, J. A. Sweere, D. E. Soltis, P. S. Soltis, and E. A. Zimmer. 1997. Patterns of evolution and phylogenetic potential of entire 26S rDNA sequences in plants. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- J. Rodman, P. Soltis, D. Soltis, K. Sytsma, and K. Karol. 1997. Plastid *rbcL* shouts and nuclear 18S-ribosomal DNA whispers, but the message is the same: Dahlgren cuts the mustard. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Soltis, D. E., P. S. Soltis, M. W. Chase, M. E. Mort, V. Savolainen, S. B. Hoot, and C. M. Morton. 1997. Inferring complex phylogenies: an empirical approach using three large DNA data sets for angiosperms. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Soltis, P. S., D. E. Soltis, M. W. Chase, D. Albach, M. E. Mort, V. Savolainen, M. Zanis, et al. 1998. Molecular phylogenetics of angiosperms: Congruent patterns inferred from three

- genes. Part I. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Soltis, D. E., P. S. Soltis, M. W. Chase, D. Albach, M. E. Mort, V. Savolainen, M. Zanis, et al. 1998. Molecular phylogenetics of angiosperms: Congruent patterns inferred from three genes. Part II. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Albach, D. C., P. S. Soltis, D. E. Soltis, and R. G. Olmstead. 1998. Phylogeny of the Asteridae s.l. based on analysis of four genes. (Presented at the annual meeting of the American Institute of Biological Sciences.)
- Mort, M. E., P. S. Soltis, and D. E. Soltis. 1998. A comparison of bootstrap, fast bootstrap, and jackknife values in three empirical data sets. (Presented at the annual meeting of the Society of Systematic Biologists/Society for the Study of Evolution.)
- Ross, V. A., M. Zanis, P. S. Soltis, and D. E. Soltis. 1999. Seed plant phylogeny inferred from 26S rDNA. (XVIth International Botanical Congress).
- Sherwood, A. M., V. A. Ross, P. S. Soltis, and D. E. Soltis. 1999. Phylogenetic analysis of *Tragopogon* (Asteraceae). (XVIth International Botanical Congress).
- Koontz, J. A. and P. S. Soltis. 1999. Hybrid speciation in *Delphinium gypsophilum* 40 years later. (XVIth International Botanical Congress).
- Koontz, J. A., P. S. Soltis, and S. J. Brunsfeld. 1999. Genetic variation and putative hybrid origin of the rare yellow larkspur, *Delphinium luteum*. (XVIth International Botanical Congress).
- Gitzendanner, M. A. and P. S. Soltis. 1999. Genetic variation in rare and widespread *Lomatium* species (Apiaceae): A comparison of AFLP and SSCP data. (XVIth International Botanical Congress).
- Zanis, M. J., D. E. Soltis, P. S. Soltis, Y. Suh, Y.-L. Qiu, and E. A. Zimmer. 1999. Phylogenetic relationships of monosulcate angiosperms based on *rbcL*, *atpB*, 18S rDNA, and 26S rDNA sequences. (XVIth International Botanical Congress).
- Artuyesheva, E. G., V. I. Pyankov, G. E. Edwards, and P. S. Soltis. 1999. Molecular phylogeny of *Salsola* (Chenopodiaceae) and evolution of C4 photosynthesis. (XVIth International Botanical Congress).
- Zanis, M. J., D. E. Soltis, P. S. Soltis, Y. Suh, Y-L, Qiu, and E. A. Zimmer. 1999. Phylogenetic relationships of basal angiosperms based on *rbcL*, *atpB*, 18S rDNA, and 26S rDNA sequences. (Presented at the annual meeting of the Society for the Study of Evolution, June, 2000).
- Senters, A. E., D. E. Soltis, P. S. Soltis, M. Zanis, S. Kim, J. D. Thompson, and E. Zimmer. 2000. Phylogenetic relationships among eudicots based on a combined data set of four genes: *rbcL*, *atpB*, 18S rDNA, and 26S rDNA. (Presented at the annual meeting of the Botanical Society of America, August, 2000).
- Mort, M. E., D. E. Soltis, P. S. Soltis, J. Francisco-Oretga, and A. Santos-Guerra. Phylogenetics and diversification of Crassulaceae inferred from molecular data. (Presented at the annual meeting of the Botanical Society of America, August, 2000).
- Savolainen, V., M. F. Fay, D. E. Soltis, P. S. Soltis, P., and M. W. Chase. 2000. Performance of multiple genes in phylogeny reconstruction of the angiosperms. (Presented at the annual meeting of the Botanical Society of America, August, 2000).

- Sherwood, A. M., P. S. Soltis, and D. E. Soltis. 2001. ITS sequence variation in *Tragopogon* (Asteraceae): phylogeny and gene evolution in allopolyploids. *Botany 2001 Abstracts*, Botanical Society of America, ©2001, St. Louis.
- Kim, S., D. E. Soltis, P. S. Soltis, Y. Suh, and M. Zanis. 2001. Phylogeny of early-diverging eudicots based on multiple genes: *rbcL*, *atpB*, 18S and 26S rDNA sequences. *Botany 2001 Abstracts*, Botanical Society of America, ©2001, St. Louis.
- Hilu, K. W., T. Borsch, V. Savolainen, P. S. Soltis, D. E. Soltis, M. W. Chase, K. Muller, T. Slotta, M. Powell, L. Chatrou, J. G. Rohwer, H. Sauquet, P. Cuenoud, C. Neinhuis, and L. A. Alice. 2001. Angiosperm phylogeny based on *matK* sequence data. *Botany 2001 Abstracts*, Botanical Society of America, ©2001, St. Louis.
- Pires, J. C., A. M. Sherwood, K. Y. Lim, A. R. Leitch, I. J. Leitch, M. D. Bennett, P. S. Soltis, and D. E. Soltis. 2001. Integrating molecular cytogenetics and phylogenetics: genome evolution in diploid and polyploid *Tragopogon* (Asteraceae). *Botany 2001 Abstracts*, Botanical Society of America, ©2001, St. Louis.
- Nepokroeff, M., W. L. Wagner, S. G. Weller, P. S. Soltis, E. A. Zimmer, A. K. Sakai, and D. E. Soltis. 2001. Diversification in the endemic Hawaiian subfam. Alsinoideae (Caryophyllaceae): evidence from nrDNA ITS, ETS sequences and morphology. *Botany 2001 Abstracts*, Botanical Society of America, ©2001, St. Louis.
- Hardig, T. M., P. S. Soltis, D. E. Soltis, and R. B. Hudson. 2001. Diploid hybrid speciation in *Ceanothus*: morphomolecular analysis of two putative hybrid species and their proposed parent species. *Botany 2001 Abstracts*, Botanical Society of America, ©2001, St. Louis.
- Zanis, M. J., D. E. Soltis, and P. S. Soltis. 2001. Isolation and characterization of floral MADS Box genes from *Nuphar* and *Illicium*. *Botany 2001 Abstracts*, Botanical Society of America, ©2001, St. Louis.
- Buzgo, M., D. E. Soltis, P. S. Soltis, B. A. Hauser, and B. Johansen. 2002. B-Class organ identity in basal monocots. *Botany 2002 Abstracts*, Botanical Society of America, ©2002, St. Louis.
- Morris, A. B., M. A. Gitzendanner, D. E. Soltis, and P. S. Soltis. 2002. A regional approach to a continental question: the importance of clonal structure and somatic mutation in the distribution and maintenance of a long-lived tree species. *Botany 2002 Abstracts*, Botanical Society of America, ©2002, St. Louis.
- Edwards, C. E., P. S. Soltis, D. E. Soltis, and M. Gitzendanner. 2002. A molecular phylogeny of the genus *Conradina* (Lamiaceae). *Botany 2002 Abstracts*, Botanical Society of America, ©2002, St. Louis.
- Allen, G. A., P. S. Soltis, and D. E. Soltis. 2002. The origins of two allotetraploid species of *Erythronium* (Liliaceae): evidence from ITS and psbA-trnH DNA sequences and AFLP markers. *Botany 2002 Abstracts*, Botanical Society of America, ©2002, St. Louis.
- Tancig, M., A. Sherwood, D. Soltis, P. S. Soltis, and M. Gitzendanner. 2002. Phylogeny of *Tragopogon* (Asteraceae) using ITS and ETS molecular data. *Botany 2002 Abstracts*, Botanical Society of America, ©2002, St. Louis.
- Kim, S., D. E. Soltis, P. S. Soltis, and Y. Suh. 2002. An *ndhF* sequence from a Miocene *Magnolia*. *Botany 2002 Abstracts*, Botanical Society of America, ©2002, St. Louis.
- Kim, S., D. E. Soltis, P. S. Soltis, P. K. Endress, B. A. Hauser, and M. J. Zanis. 2002. Origin of the calyptra and characterization of B class genes in *Eupomatia bennettii* (Eupomatiaceae). *Botany 2002 Abstracts*, Botanical Society of America, ©2002, St. Louis.



- Xiang, (J.) Q., M. Moody, D. E. Soltis, and P. S. Soltis. 2002. Effects of outgroups and long branches - An experiment with RASA and data from Cornales. *Botany 2002 Abstracts*, Botanical Society of America, ©2002, St. Louis.
- S. Kim, D. Soltis, P. Soltis, P. Endress, B. Hauser, and M. Zanis. 2003 - Origin of the calyptra and characterization of b class genes in *Eupomatia* (*Eupomatiaceae*). Plant and Animal Genome Conference XI, San Diego.
- S. Kim, M. Buzgo, D. Soltis, P. Soltis, 2003. Characterization of B Class Genes in that Basal Angiosperm Amborella (*Amborellaceae*). Plant and Animal Genome Conference XI, San Diego.
- Buzgo, M., D. E. Soltis, P. S. Soltis, S. Kim, H. Ma, J. Leebens-Mack, B. A. Hauser, and C. W. dePamphilis. 2003. Perianth development in Basal Monocots. *Botany 2003 Abstracts*, Botanical Society of America, ©2003, St. Louis.
- Gitzendanner, M. A., C. W. Weekley, E. S. Menges, D. E. Soltis, and P. S. Soltis. 2003. Genetic diversity and mating type identification in *Ziziphus celata* (Rhamnaceae), a critically endangered Florida shrub species. *Botany 2003 Abstracts*, Botanical Society of America, ©2003, St. Louis.
- Tate, J. A., A.-C. Scheen, Z. J. Chen, D. E. Soltis, and P. S. Soltis. 2003. Patterns of gene expression in a recent allopolyploid of recurrent origin: revisiting the *Tragopogon* system. *Botany 2003 Abstracts*, Botanical Society of America, ©2003, St. Louis.
- Kim, S., M.-J. Yoo, P. S. Soltis, V. A. Albert, J. S. Farris, M. Zanis, and D. E. Soltis. 2003. Phylogeny and diversification of B-class genes in angiosperms: reconstructing a 250 million-year-old duplication. *Botany 2003 Abstracts*, Botanical Society of America, ©2003, St. Louis.
- Melendez-Ackerman, W., J. W. Kress, L. Rohena, E. Toledo, M. Gitzendanner, P. Soltis, and D. Soltis. 2003. Patterns of genetic and morphological variation in *Heliconia bihai* (Heliconiaceae) in the Lesser Antilles. *Botany 2003 Abstracts*, Botanical Society of America, ©2003, St. Louis.
- Notis, C. H., W. S. Judd, D. E. Soltis, and P. S. Soltis. 2003. Phylogenetic analysis of Kielmeyeroideae (Clusiaceae) based on ITS sequences. *Botany 2003 Abstracts*, Botanical Society of America, ©2003, St. Louis.
- Morris, A. B., M. A. Gitzendanner, D. E. Soltis, and P. S. Soltis. 2003. Revisiting phylogenetic relationships in *Illicium*: biogeographic implications for the position of New World taxa. *Botany 2003 Abstracts*, Botanical Society of America, ©2003, St. Louis.
- Edwards, C. E., E. V. Mavrodiev, M. Tancig, D. C. Albach, P. S. Soltis, and D. E. Soltis. 2003. The phylogeny of subtribe Scorzonerinae (Asteraceae) as inferred from ITS sequence data. *Botany 2003 Abstracts*, Botanical Society of America, ©2003, St. Louis.
- Loring, H. A., A. C. Cox, M. A. Gitzendanner, D. E. Soltis, and P. S. Soltis. 2003. Conservation and population genetics of the federally endangered species *Asimina tetramera* (Annonaceae). *Botany 2003 Abstracts*, Botanical Society of America, ©2003, St. Louis.
- dePamphilis, C., H. Ma, D. Soltis, P. Soltis, J. Carlson, S. Tanksley, J. Leebens-Mack, W. Farmerie, M. Frohlich, D. Field, L. Zahn, S. Kim, M. Buzgo, and H. Kong, and J. Arrington. 2003. The Floral Genome Project: Comparative analysis of sequence and expression of florally ex-pressed genes. *Botany 2003 Abstracts*, Botanical Society of America, ©2003, St. Louis.

- Bell, C. D., P. S. Soltis, and D. E. Soltis. 2004. The age of the angiosperms: a Bayesian perspective. *Botany 2004 Abstracts*, Botanical Society of America, ©2004, St. Louis.
- Kim, S., P. S. Soltis, and D. E. Soltis. 2004. Duplication of the AP2 domain preceded the split of the major lineages of the *APETALA2*-like gene family. *Botany 2004 Abstracts*, Botanical Society of America, ©2004, St. Louis.
- Tate, J. A., Z. J. Chen, P. S. Soltis, and D. E. Soltis. 2004. Gene expression in *Tragopogon miscellus* (Asteraceae), a recent and reciprocally formed allopolyploid. *Botany 2004 Abstracts*, Botanical Society of America, ©2004, St. Louis.
- Mavrodiev, E. V., M. A. Gitzendanner, J. A. Tate, C. E. Edwards, P. S. Soltis, and D. E. Soltis. 2004. Parentage and concerted evolution in Eurasian polyploids of the genus *Tragopogon* (Asteraceae). *Botany 2004 Abstracts*, Botanical Society of America, ©2004, St. Louis.
- Borsch, T., K. Muller, K. W. Hilu, D. E. Soltis, P. S. Soltis, D. Quandt, C. Lohne, A. Worberg, and S. Wanke. 2004. The tree of angiosperms and microstructural changes in the *matK* gene. *Botany 2004 Abstracts*, Botanical Society of America, ©2004, St. Louis.
- Buzgo, M., P. S. Soltis, and D. E. Soltis. 2004. Floral developmental morphology of *Amborella* (Amborellaceae), the sister to other extant angiosperms. *Botany 2004 Abstracts*, Botanical Society of America, ©2004, St. Louis.
- Scheen, A.-C., C. Brochmann, A. K. Brysting, R. Elven, A. B. Morris, D. E. Soltis, P. S. Soltis, and V. A. Albert. 2004. Northern hemisphere biogeography of *Cerastium* (Caryophyllaceae): insights from phylogenetic analysis of non coding plastid nucleotide sequences. *Botany 2004 Abstracts*, Botanical Society of America, ©2004, St. Louis.
- Yoo, M.-J., C. D. Bell, P. S. Soltis, and D. E. Soltis. 2004. Estimation of divergence times and biogeography of major clades in Nymphaeales. *Botany 2004 Abstracts*, Botanical Society of America, ©2004, St. Louis.
- Morris, A. B., M. A. Gitzendanner, D. E. Soltis, and P. S. Soltis. 2004. Phylogeographic structure in *Liquidambar styraciflua* (Altingiaceae). *Botany 2004 Abstracts*, Botanical Society of America, ©2004, St. Louis.
- Morris, A. B., C. D. Bell, M. A. Gitzendanner, D. E. Soltis, and P. S. Soltis. 2004. From molecules to macrofossils: estimating divergence times within *Illicium* (Illiciaceae). *Botany 2004 Abstracts*, Botanical Society of America, ©2004, St. Louis.
- DePamphilis, C. W., H. Ma, J. Carlson, J. Leebens-Mack, L. Zahn, H. Kong, P. S. Soltis, D. E. Soltis, D. Oppenheimer, S. Kim, M. Buzgo, S. Tanksley, L. Mueller, M. Frohlich, and V. A. Albert. 2004. Floral gene resources from basal angiosperms for comparative genomics research. *Botany 2004 Abstracts*, Botanical Society of America, ©2004, St. Louis.
- Herendeen, P. S., P. S. Soltis, and D. E. Soltis. 2004. Is Morphology Dead in Phylogenetic Analyses? Panel Discussion. *Botany 2004 Abstracts*, Botanical Society of America, ©2004, St. Louis.
- Soltis, P. S. 2004. Women in Science. Roundtable Discussion. *Botany 2004 Abstracts*, Botanical Society of America, ©2004, St. Louis.
- Edwards, C. E., D. E. Soltis, and P. S. Soltis. 2005. Molecular phylogeny of *Conradina* and other scrub mints (Lamiaceae) from the southeastern USA: evidence for hybridization in Pleistocene refugia? *Botany 2005 Abstracts*, Botanical Society of America, ©2005, St. Louis.

- Morris, A. B., A. Bigger, Z. Damji, M. A. Gitzendanner, D. E. Soltis, and P. S. Soltis. 2005. Comparative phylogeography of eastern North American trees. *Botany 2005 Abstracts*, Botanical Society of America, ©2005, St. Louis.
- Arakaki, M., D. E. Soltis, and P. S. Soltis. 2005. Use of microsatellites to examine intergeneric hybridization (*Haageocereus* x *Espostoa*), as well as population structure in *Haageocereus* (Cactaceae). *Botany 2005 Abstracts*, Botanical Society of America, ©2005, St. Louis.
- Studstill, M. E., V. V. Symonds, J. A. Tate, P. S. Soltis, and D. E. Soltis. 2005. Microsatellite markers for *Tragopogon dubius*. *Botany 2005 Abstracts*, Botanical Society of America, ©2005, St. Louis.
- Matyasek, R., A. Kovarik, D. Soltis, A. R. Leitch, J. C. Pires, K. Y. Lim, J. Tate, J. Fulnecek, and P. Soltis. 2005. Expression of ribosomal RNA genes in two *Tragopogon* allotetraploids of recent and recurrent origin. (poster at International Botanical Congress, Vienna)
- Studstill, M. E., J. A. Tate, D. E. Soltis, and P. S. Soltis. 2005. Microsatellite markers for *Tragopogon dubius*. (poster at International Botanical Congress, Vienna).
- Morris, A. B., M. A. Gitzendanner, D. E. Soltis, and P. S. Soltis. 2005. Comparative phylogeography of eastern North American trees. (poster at International Botanical Congress, Vienna).
- Chanderbali, A., S. Kim, M. Buzgo, D. Soltis, and P. Soltis. 2005. AGAMOUS-like genes suggest staminal origin for the perianth of Lauraceae. (poster at International Botanical Congress, Vienna).
- Lindqvist, C., A. Scheen, M. Bendiksby, M. Yoo, P. Grey, D. G. Oppenheimer, D. E. Soltis, P. S. Soltis, and V. A. Albert. 2005. An EST library from developing fruits of a Hawaiian endemic mint, *Stenogyne rugosa* (Lamioideae, Lamiaceae): characterization and resources. (poster at International Botanical Congress, Vienna).
- Buzgo, M., A. Chanderbali, Z. Zheng, S. Kim, D. G. Oppenheimer, D. E. Soltis, and P. S. Soltis. 2005. Floral development in *Persea americana* (avocado): the male mystery in Lauraceae. (poster at International Botanical Congress, Vienna).
- Koh, J., M. Yoo, P. S. Soltis, and D. E. Soltis. 2005. The evolution of B-class genes in diploid and allotetraploid *Tragopogon*. (poster at International Botanical Congress, Vienna).
- Edwards, C. E., D. E. Soltis, and P. S. Soltis. 2005. Molecular phylogeny of *Conradina* and other scrub mints (Lamiaceae) from the southeastern USA using nuclear and plastid markers: evidence for hybridization in Pleistocene refugia? (poster at International Botanical Congress, Vienna).
- Mavrodiev, E. V., D. Soltis, and P. Soltis. 2005. Meet the ancestor: molecular data reveal that *Tragopogon porrifolius*, one of the diploid parents of *T. mirus*, may be polyphyletic. (poster at International Botanical Congress, Vienna).
- Gitzendanner, M. A., P. S. Soltis, and D. E. Soltis. 2006. Bayesian and likelihood-based analyses of large datasets in the angiosperms. *Evolution 2006*, Stony Brook, NY.
- Edwards, C. E., D. S. Lefkowitz, D. E. Soltis, and P. S. Soltis. 2006. Untangling complex evolutionary relationships of Florida scrub mints (Lamiaceae) using evidence from conflicting molecular data sets. *Evolution 2006*, Stony Brook, NY.
- Moore, M. J., A. Dhingra, P. S. Soltis, W. G. Farmerie, K. M. Folta, and D. E. Soltis. 2006. Rapid and accurate pyrosequencing of six angiosperm plastid genomes. *Botany 2006 Abstracts*, Botanical Society of America, ©2006, St. Louis.

- Kim, S., K. Kaufmann, G. Theissen, P. S. Soltis, and D. E. Soltis. 2006. Protein-protein interactions of B-class MADS-box homologues in *Amborella trichopoda* (Amborellaceae). *Botany 2006 Abstracts*, Botanical Society of America, ©2006, St. Louis.
- Kim, S., L. M. Zahn, A. Chanderbali, Z. Zheng, D. Oppenheimer, H. Ma, D. E. Soltis, and P. S. Soltis. 2006. The evolution of the *AGL6*-like MADS-box genes. *Botany 2006 Abstracts*, Botanical Society of America, ©2006, St. Louis.
- Yoo, M.-J., J. Koh, P. S. Soltis, and D. E. Soltis. 2006. Analysis of expression patterns of MADS-box gene homologues in *Nymphaea odorata* (Nymphaeaceae). *Botany 2006 Abstracts*, Botanical Society of America, ©2006, St. Louis.
- Edwards, C. E., D. Lefkowitz, D. E. Soltis, and P. S. Soltis. 2006. Molecular evolution of the *GapC* gene family in *Conradina* and other New World Mentheae (Lamiaceae). *Botany 2006 Abstracts*, Botanical Society of America, ©2006, St. Louis.
- Chanderbali, A., N. Altman, J. Leebens-Mack, P. S. Soltis, and D. E. Soltis. 2006. Microarray profiling of *Persea americana* flowers: in search of organ-specific gene expression and developmental pathways. *Botany 2006 Abstracts*, Botanical Society of America, ©2006, St. Louis.
- Jian, S., P. S. Soltis, A. Dhingra, R. Li, Y.-L. Qiu, M.-J. Yoo, C. D. Bell, and D. E. Soltis. 2006. Phylogenetic relationships and diversification within Saxifragales based on molecular data. *Botany 2006 Abstracts*, Botanical Society of America, ©2006, St. Louis.
- Mavrodiev, E. V., I. Nawchoo, D. E. Soltis, and P. S. Soltis. 2006. Molecular data reveal that the allotetraploid *Tragopogon kashmirianus* Singh, a narrow endemic of Kashmir, is distinct from the North American *T. mirus*. *Botany 2006 Abstracts*, Botanical Society of America, ©2006, St. Louis.
- Buzgo, M., H. Liang, S. Schlarbaum, D. S. DiLoreto, J. Carlson, P. S. Soltis, and D. E. Soltis. 2006. Floral development in *Liriodendron tulipifera* L. (Magnoliaceae) and other basal angiosperms. *Botany 2006 Abstracts*, Botanical Society of America, ©2006, St. Louis.
- Koh, J., J. A. Tate, P. S. Soltis, and D. E. Soltis. 2006. Evolution and expression of homoeologous loci in *Tragopogon mirus* (Asteraceae), a recently and repeatedly formed allopolyploid. *Botany 2006 Abstracts*, Botanical Society of America, ©2006, St. Louis.
- dePamphilis, C. W., L. Zahn, A. Chanderbali, L. Cui, P. K. Wall, J. R. Duarte, Q. Zhang, D. Tian, Y. Hu, L. Landherr, N. Altman, J. Leebens-Mack, H. Ma, B. G. Lindsay, D. E. Soltis, P. S. Soltis, D. Oppenheimer, J. Carlson, V. A. Albert, and M. Frohlich. 2006. The Floral Genome Project: An overview and selected current findings. *Botany 2006 Abstracts*, Botanical Society of America, ©2006, St. Louis.
- Edwards, C. E., D. S. Lefkowitz, D. E. Soltis, and P. S. Soltis. 2007. Combined phylogenetic analysis of heterozygous nuclear loci: an example using *Conradina* and related mints (Lamiaceae). *Botany 2007 Abstracts*, Botanical Society of America, ©2007, St. Louis.
- Frohlich, M., S. F. Brockington, P. S. Soltis, D. E. Soltis, and P. J. Rudall. 2007. Differing patterns of MADS-box gene expression associated with shifts in petaloidy within Aizoaceae (Caryophyllales). *Botany 2007 Abstracts*, Botanical Society of America, ©2007, St. Louis.
- Clayton, J. W., E. S. Fernando, P. S. Soltis, and D. E. Soltis. 2007. Historical biogeography and diversification in the Tree-of-Heaven family (Simaroubaceae, Sapindales). *Botany 2007 Abstracts*, Botanical Society of America, ©2007, St. Louis.

- Mavrodiev, E. V., P. S. Soltis, and D. E. Soltis. 2007. Insights into the parentage of the Eurasian tetraploids in the genus *Tragopogon* L. based on low-copy nuclear genes, ITS/ETS, and plastid sequence data. *Botany 2007 Abstracts*, Botanical Society of America, ©2007, St. Louis.
- Gitzendanner, M. A., C. Germain-Aubrey, C. W. Weekley, E. S. Menges, D. E. Soltis, and P. S. Soltis. 2007. Microsatellite analysis of *in-situ* populations and *ex-situ* seedlings of the Lake Wales Ridge, Florida, USA endemic plant *Ziziphus celata* (Rhamnaceae). *Botany 2007 Abstracts*, Botanical Society of America, ©2007, St. Louis.
- Symonds, V. V., D. E. Soltis, and P. S. Soltis. 2007. Microsatellite markers reveal a genetic sieve to the multiple origins of *Tragopogon* allopolyploids. *Botany 2007 Abstracts*, Botanical Society of America, ©2007, St. Louis.
- Manos, P. S., P. S. Soltis, D. E. Soltis, S. R. Manchester, S.-H. Oh, C. D. Bell, D. L. Dilcher, and D. E. Stone. 2007. Phylogeny of extant and fossil Juglandaceae inferred from the integration of molecular and morphological data sets. *Botany 2007 Abstracts*, Botanical Society of America, ©2007, St. Louis.
- Kim, S., K. Wall, D. E. Soltis, and P. S. Soltis. 2007. Phylogeny of MADS-box transcription factor gene family. *Botany 2007 Abstracts*, Botanical Society of America, ©2007, St. Louis.
- Morris, A. B., S. M. Ickert-Bond, A. R. Bigger, D. E. Soltis, and P. S. Soltis. 2007. Phylogeographic complexity and pre-Pleistocene breaks within *Liquidambar styraciflua*. *Botany 2007 Abstracts*, Botanical Society of America, ©2007, St. Louis.
- Doust, A. N., J. Koh, J. A. Tate, A. H. Paterson, P. S. Soltis, and D. E. Soltis. 2007. Preferential gene loss or retention following genome duplication in allopolyploid species of *Tragopogon* (Asteraceae). *Botany 2007 Abstracts*, Botanical Society of America, ©2007, St. Louis.
- Soltis, D. E./Angiosperm AToL Group. 2007. Progress in assembling the angiosperm Tree of Life. *Botany 2007 Abstracts*, Botanical Society of America, ©2007, St. Louis.
- Mavrodiev, E. V., P. S. Soltis, and D. E. Soltis. 2007. rDNA and plastid sequence data suggest that the genus *Rohbachia* is sister to *Typha s. str.* *Botany 2007 Abstracts*, Botanical Society of America, ©2007, St. Louis.
- Brockington, S. F., R. Alexandre, J. Ramdial, A. Dhingra, P. S. Soltis, and D. E. Soltis. 2007. Resolving poorly supported nodes in the order Caryophyllales: an AToL update. *Botany 2007 Abstracts*, Botanical Society of America, ©2007, St. Louis.
- Chanderbali, A., N. Altman, D. E. Soltis, and P. S. Soltis. 2007. Spatial and temporal patterns in the floral transcriptome of the basal angiosperm, *Persea americana* (avocado): a glimpse of ancient whorls. *Botany 2007 Abstracts*, Botanical Society of America, ©2007, St. Louis.
- dePamphilis, C. W., N. Altman, J. Carlson, S. Clifton, J. L. Goicoechea, D. Kudrna, L. Landherr, J. H. Leebens-Mack, H. Ma, D. E. Soltis, P. S. Soltis, P. K. Wall, and R. Wing. The Ancestral Angiosperm: steps toward a genetic and genomic understanding of the origin of flowering plants. *Botany 2007 Abstracts*, Botanical Society of America, ©2007, St. Louis.
- Moore, M. J., C. D. Bell, P. S. Soltis, and D. E. Soltis. 2007. Using complete chloroplast genome sequences to resolve recalcitrant nodes in deep-level angiosperm phylogenetics. *Botany 2007 Abstracts*, Botanical Society of America, ©2007, St. Louis.

Tate, J. A., A. R. Bigger, K. A. Soltis, P. S. Soltis, and D. E. Soltis. 2007. When the honeymoon ends: the fate of duplicated genes in allotetraploid *Tragopogon miscellus* (Asteraceae). *Botany 2007 Abstracts*, Botanical Society of America, ©2007, St. Louis.

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