

David C. Tank

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ACADEMIC EMPLOYMENT

Associate Professor Department of Biological Sciences University of Idaho, Moscow, ID	July 2014-present
Director, Stillinger Herbarium University of Idaho, Moscow, ID	July 2008-present
Assistant Professor Department of Biological Sciences University of Idaho, Moscow, ID	August 2013-June 2014
Assistant Professor Department of Forest, Rangeland and Fire Sciences University of Idaho, Moscow, ID	July 2008-August 2013
Postdoctoral Associate Division of Botany, Peabody Museum of Natural History Yale University, New Haven, CT Supervisor: Dr. Michael Donoghue	2006-2008
Interim Collections Manager Division of Botany, Peabody Museum of Natural History Yale University, New Haven, CT	2007
Lecturer Department of Ecology & Evolutionary Biology Yale University, New Haven, CT	2007

EDUCATION

PhD, Botany University of Washington, Seattle, WA Advisor: Dr. Richard Olmstead dissertation - Molecular phylogenetics of <i>Castilleja</i> and <i>Castillejinae</i> (Orobanchaceae)	2006
MS, Botany & Plant Pathology; Specialization in Ecology, Evolutionary Biology & Behavior Michigan State University, East Lansing, MI Advisor: Dr. Tao Sang thesis - Evolution and phylogenetic utility of low-copy nuclear genes: examples from conifers and peonies	2000
BS, Botany & Plant Pathology; with honors, summa cum laude Michigan State University, East Lansing, MI	1998

TEACHING EXPERIENCE

University of Idaho <i>Structure and Function Across the Tree of Life</i> (2015; undergraduate lecture/lab) <i>Advanced Field Botany</i> (2013, 2014, 2015; 2-week intensive undergraduate/graduate summer field course at the University of Idaho McCall Field Campus), <i>Dendrology</i> (2008-2014; undergraduate lecture/lab), <i>Field Botany</i> (2011; undergraduate summer short course at the University of Idaho Taylor Wilderness Research Station), <i>Conservation Genetics</i> (2010, 2012; graduate lecture/lab team taught with L. Waits), <i>Phylogenetics Reading Group</i> (2009-present; graduate seminar)	2008-present
Lecturer, Yale University <i>Diversity of Life</i> (undergraduate lecture; team taught with M. Wells)	2007
Workshop Leader, Yale University <i>Phylogenetics & Bioinformatics</i> (undergraduate workshop; team taught with S. Smith)	2007 & 2008
Predocctoral Lecturer, University of Washington <i>Plant Identification & Classification</i> (undergraduate lecture/lab)	2004 & 2005

Teaching Assistant, University of Washington	2001-2006
Departments of Botany, Zoology, & Biology (<i>Plant Identification & Classification, Anatomy & Morphology of Land Plants, Molecular Evolution, Foundations in Evolution and Systematics, Introductory Biology</i>)	
Teaching Assistant, Michigan State University	1998-2000
Departments of Botany and Plant Pathology & Zoology (<i>Plant Systematics, Evolution, Integrative Studies in Biology</i>)	
Undergraduate Teaching Assistant, Michigan State University	1997
Department of Botany and Plant Pathology (<i>Environmental Plant Physiology</i>)	

AWARDS & HONORS

Best Seminar Speaker	2015
Rancho Santa Ana Botanic Garden Seminar Series (Spring), Claremont, CA	
Teacher of the Year	2012
College of Natural Resources, University of Idaho, Moscow, ID	
Hoffman Award in Teaching Excellence, Nominee	2012
University of Idaho, Moscow, ID	
Excellence in Teaching Award, Nominee	2005 & 2006
University of Washington, Seattle, WA	
Melinda Denton Plant Systematics Dissertation Fellowship	2005
Department of Biology, University of Washington, Seattle, WA.	
Ingrith Deyrup-Olsen Distinguished Teaching Award	2004
Department of Biology, University of Washington, Seattle, WA.	
Outstanding Biology Teaching Assistant Award	2004
Department of Biology, University of Washington, Seattle, WA.	
Delzie Demaree Travel Award	2003
50th Annual Systematics Symposium, Missouri Botanical Garden, St. Louis, MO	
Molecular Phylogenetics and Systematics Graduate Fellowship	2000-2002
Department of Botany, University of Washington, Seattle, WA.	
Valedictorian	1998
College of Natural Science, Michigan State University, East Lansing, MI.	
Bessey Memorial Award for Outstanding Undergraduate Student	1998
Department of Botany & Plant Pathology, Michigan State University, East Lansing, MI.	
Angell Foundation Biology Scholar	1993
Department of Math & Science, Northwestern Michigan College, Traverse City, MI.	

GRANTS (*INDICATES STUDENT CO-PI)

US Geological Survey, \$22,241 (co-PI)	2016-2018
"Diet, population connectivity and adaptive differences among populations of northern Idaho ground squirrels" PI Courtney Conway (University of Idaho), co-PIs Lisette Waits (University of Idaho), Kimberly Andrews (University of Idaho).	
NSF DEB, Phylogenetic Systematics, Doctoral Dissertation Improvement Grant, \$18,738	2015-2017
"Dissertation Research: How many degrees of separation? Investigating the main contributors to plant speciation in a rapidly diverging lineage in western North America" co-PI Sarah Jacobs [†] .	
NSF DEB, Phylogenetic Systematics, Doctoral Dissertation Improvement Grant, \$18,743	2015-2017
"Dissertation Research: Adaptive radiation and hybridization: testing the hybrid swarm origin hypothesis for adaptive radiations in a phylogenetic framework" co-PI Diego Morales-Briones [†] .	
NSF DEB, Phylogenetic Systematics, Systematics & Biodiversity Sciences, \$7,017	2015-2016
"REU Supplement: CAREER: Correlates of diversification and the investigation of the accumulation of evidence for speciation: phylogeny and systematics of a rapid and recent radiation"	
BEACON: An NSF Center for the Study of Evolution in Action, \$30,612 (\$71,906 total)	2015-2016
"Evolutionary and Ecological consequences of polyploidy" co-PI Verónica Di Stilio (University of Washington).	
University of Idaho, Stillinger Trust, Herbarium Collecting Expeditions, \$5,008	2015-2016
"Stillinger Herbarium Expedition: The 8th annual Idaho Botanical Foray"	

- NSF DEB, Biodiversity Discovery & Analysis, Systematics & Biodiversity Sciences, \$622,609 (\$906,796 total) (co-PI) 2015-2018**
 "Collaborative Research: A comparative phylogeographic approach to predicting cryptic diversity - the inland temperate rainforest as a model system" PIs Jack Sullivan (University of Idaho) and Bryan Carstens (Ohio State University).
- National Geographic Society, \$12,385 (co-PI) 2014-2016**
 "A comparative phylogeographic approach to predicting cryptic diversity: inland Northwest rainforests as a model ecosystem" PI Jack Sullivan (University of Idaho)
- NSF DEB, Phylogenetic Systematics, Systematics & Biodiversity Sciences, \$800,000 2013-2018**
 "CAREER: Correlates of diversification and the investigation of the accumulation of evidence for speciation: phylogeny and systematics of a rapid and recent radiation"
- NSF DEB, Phylogenetic Systematics, Doctoral Dissertation Improvement Grant, \$14,980 2012-2015**
 "Dissertation Research: Investigating the accumulation of evidence for speciation: species delimitation in a rapid and recent radiation" co-PI Simon Uribe-Convers[†].
- BEACON: An NSF Center for the Study of Evolution in Action, \$81,368 (\$154,875 total) 2012-2015**
 "The genetic basis of weediness: rapid evolution of flowering time in wild radish" co-PIs James Foster (University of Idaho), Jeffrey Conner (Michigan State University), Ian Dworkin (Michigan State University), Gregory Goins (North Carolina A&T).
- University of Idaho, Stillinger Trust, Herbarium Collecting Expeditions, \$3,785 2011-2012**
 "Stillinger Herbarium Expedition: The first annual Stillinger Herbarium Foray and fourth annual Idaho Botanical Foray"
- NSF DBI, Biological Research Collections, \$301,351 (\$1,340,000 total) 2010-2013**
 "Collaborative Research: The Online Consortium of Pacific Northwest Herbaria Expanded to Include Taxonomically Diverse Specimens from Large and Small Regional Collections" co-PIs Richard Olmstead (University of Washington), Aaron Liston (Oregon State University), Matt Lavin (Montana State University).
- University of Idaho, Research Office Seed Grant, \$11,996 2010-2011**
 "Next generation sequencing of a chloroplast genomes in the paintbrushes (*Castilleja*): species-level phylogenomics in a taxonomically difficult group"
- NSF OISE, International Research Experience for Students, \$144,883 (co-PI) 2010-2013**
 "An Interdisciplinary Team-Based International Research Experience in Biodiversity Conservation and Sustainable Community Development in the Ecuadorian Andes" PI Lisette Waits, co-PIs Stephen Mulkety, Sandra Pinel, and Janet Rachlow.
- University of Idaho, Environmental Sciences FIT Grant, \$20,000 (co-PI) 2009-2010**
 "Establishing a long-term interdisciplinary research and education program focused on biodiversity conservation in the Ecuadorian Andes" PI Lisette Waits, co-PIs Sandra Pinel, and Janet Rachlow
- NSF DEB, Doctoral Dissertation Improvement Grant, \$14,462 2004-2006**
- Sigma-Xi Grants in Aid of Research, \$500 2003**
 University of Washington Chapter, Seattle, WA.
- Giles Graduate Student Award for Field Research, \$600 & \$1200 2001 & 2003**
 Department of Botany, University of Washington, Seattle, WA.
- Society of Systematic Biologists Graduate Student Research Award, \$1,000 2001**
- American Society of Plant Taxonomists Graduate Student Research Award, \$700 2001**
- Botanical Society of America Karling Award for Graduate Student Research, \$500 2001**
- Sigma-Xi Grants in Aid of Research, \$700 1999**
- Undergraduate Research Support Grant, \$1,000 1997**
 College of Natural Science, Michigan State University, East Lansing, MI.

STUDENT GRANTS

- International Association for Plant Taxonomy, Research Grant Program in Plant Systematics, \$1000 2014**
 Diego Morales-Briones, "Phylogeny and systematics of the genus *Lachemilla* (Rosaceae) in the Andes"
- University of Idaho, Stillinger Trust, Herbarium Collecting Expeditions, \$10,700 2014**
 Diego Morales-Briones, "Stillinger Herbarium Expedition: Sampling the neotropical plant genus *Lachemilla* Focke (Rydb.) in the mountains of Mexico and Central America"

- University of Idaho, Stillinger Trust, Herbarium Collecting Expeditions, \$10,695** 2014
Maribeth Latvis (postdoc), co-PI Sarah Jacobs, "Stillinger Herbarium Expedition: Investigation of the accumulation of evidence for speciation: phylogeny and systematics of *Castilleja* (Orobanchaceae)"
- American Society of Plant Taxonomists Graduate Student Research Award, \$1000** 2014
Sarah Jacobs, "Examining differentiation of species criteria in diversification: a comparison of two species complexes in *Castilleja* (Orobanchaceae)"
- Society for the Study of Evolution Rosemary Grant Award for Graduate Student Research, \$2,250** 2013
Hannah Marx, "Sky Islands of Idaho and a Pacific Archipelago: using phylogenetic patterns to determine dominant processes of community assembly"
- Society of Systematic Biologists Graduate Student Research Award, \$2,000** 2013
Hannah Marx, "Sky Islands of Idaho and a Pacific Archipelago: using phylogenetic patterns to determine dominant processes of community assembly"
- University of Idaho, Stillinger Trust, Herbarium Collecting Expeditions, \$3,010** 2013
Sarah Jacobs, "Stillinger Herbarium Expedition: Towards understanding species boundaries in two alliances of the genus *Castilleja* (Orobanchaceae)"
- University of Idaho, Stillinger Trust, Herbarium Collecting Expeditions, \$2,620** 2013
Hannah Marx, "Stillinger Herbarium Expedition: Sky islands of Idaho: phylogenetic community composition of alpine flora"
- University of Idaho, Stillinger Trust, Herbarium Collecting Expeditions, \$10,750** 2013
Simon Uribe-Convers; co-PI Diego Morales-Briones, "Stillinger Herbarium Expedition: Completing sampling of three taxonomically diverse genera in Andean South America: facilitating comparative molecular systematic research at U of I"
- Botanical Society of America Graduate Student Research Award, \$500** 2013
Diego Morales-Briones, "Phylogeny and systematics of the genus *Lachemilla* (Rosaceae) in the Andes"
- American Society of Plant Taxonomists Graduate Student Research Award, \$800** 2013
Diego Morales-Briones, "Phylogeny and systematics of the genus *Lachemilla* (Rosaceae) in the Andes"
- University of Idaho, Stillinger Trust, Herbarium Collecting Expeditions, \$5,437** 2012
Hannah Marx, "Stillinger Herbarium Expedition: Sky islands of Idaho: phylogenetic community composition of alpine flora"
- University of Idaho, Stillinger Trust, Herbarium Collecting Expeditions, \$10,965** 2012
Diego Morales-Briones, co-PI Simon Uribe Convers, "Stillinger Herbarium Expedition: Increasing sampling of three taxonomically diverse genera in Andean South America: facilitating comparative molecular systematic research at U of I"
- University of Idaho Student Grant Program, \$1,486** 2012
Diego Morales-Briones, "Ploidy-level estimation in the genus *Lachemilla* (Rosaceae) using real-time polymerase chain reaction and single-copy nuclear genes"
- University of Idaho Student Grant Program, \$4,914** 2011
Simon Uribe-Convers, "Inferring patterns of biodiversity in a young Andean ecosystem; developing a novel high throughput sequencing approach for phylogenetic and phylogeographic studies in *Bartsia* (Orobanchaceae)"
- University of Idaho, Stillinger Trust, Herbarium Collecting Expeditions, \$6,496** 2011
Simon Uribe-Convers, "Stillinger Herbarium Expedition: Phylogenetic analysis of the genus *Bartsia* L. (Orobanchaceae)"
- Botanical Society of America Graduate Student Research Award, \$500** 2011
Simon Uribe-Convers, "Inferring patterns of biodiversity in a young Andean ecosystem; developing a novel high throughput sequencing approach for phylogenetic and phylogeographic studies in *Bartsia* (Orobanchaceae)"
- American Society of Plant Taxonomists Graduate Student Research Award, \$750** 2010
Simon Uribe-Convers, "Phylogenetic analysis of the genus *Bartsia* L. (Orobanchaceae): increasing sampling of a mostly Andean genus"
- Society of Systematic Biologists Graduate Student Research Award, \$1,800** 2010
Simon Uribe-Convers, "Phylogenetic analysis of the genus *Bartsia* L. (Orobanchaceae): increasing sampling of a mostly Andean genus"

ACTIVITIES

INVITED PRESENTATIONS:

Department of Biology, Willamette University, Salem, OR	October 2015
Idaho Native Plant Society, White Pine Chapter, Moscow, ID	March 2015
Rancho Santa Ana Botanic Garden, Claremont, CA	February 2015
Program in Plant Biology and Conservation, Chicago Botanic Garden & Northwestern University, Evanston, IL	January 2015
Department of Ecology, Evolution, and Organismal Biology, Ohio State University, Columbus, OH	October 2014
60th Annual Systematics Symposium, Missouri Botanical Garden, St. Louis, MO	October 2013
Department of Ecology and Evolutionary Biology, University of Michigan, Ann Arbor, MI	October 2013
Inland Northwest Genomics Symposium, IBEST, University of Idaho, Moscow, ID	May 2013
Department of Botany, Smithsonian Institute, Washington, DC	February 2013
Department of Biology, University of Florida, Gainesville, FL	February 2013
Department of Biological Sciences, University of Idaho, Moscow, ID	October 2012
Department of Ecology and Evolutionary Biology & University of Colorado Museum of Natural History, University of Colorado, Boulder, CO	March 2012
Department of Biological Sciences, Washington State University, Pullman, WA	March 2012
The Field Museum, A. Watson Armour Research Seminar, Chicago, IL	March 2011
Palouse Ecology, Evolution, and Systematics, Moscow, ID	April 2010
Idaho Native Plant Society, White Pine Chapter, Moscow, ID	March 2010
Universidad Tecnica Particular de Loja, Loja, Ecuador	January 2010
Biodiversity Research Center, Ilia Chavchavadze State University, Tbilisi, Georgia	October 2009
Department of Botany, University of Wyoming, Laramie, WY	September 2009
Department of Biological Sciences, Boise State University, Boise, ID	October 2008
Yale Institute for Biospheric Studies, Yale University, New Haven, CT	April 2008
College of Natural Resources, University of Idaho, Moscow, ID	November 2007
Department of Biology, Linfield College, McMinnville, OR	November 2007
Harvard University Herbaria, Harvard University, Cambridge, MA	October 2006
Department of Ecology and Evolutionary Biology, Yale University, New Haven, CT	September 2006

PRESENTATIONS AT PROFESSIONAL MEETINGS (†INDICATES STUDENT COAUTHOR; *INDICATES PRESENTER WHEN NOT FIRST AUTHOR):

- Martine, C, I Jordan-Thaden, M Roche, D Hayes, and **DC Tank**. Transcriptome-mined introns offer new understandings of phylogenetic relationships among Australian bush tomatoes (*Solanum*) within the context of the Old World spiny solanums. Botany meeting, Edmonton, Alberta, Canada, 2015.
- Soltis, DE*, PS Soltis*, MW Pennell, LJ Harmon, and **DC Tank**. Polyploidy, shifts in diversification and associated changes in characters in angiosperm evolution. Botany meeting, Edmonton, Alberta, Canada, 2015.
- Morales-Briones, D†, and **DC Tank**. Divergence time estimates and historical biogeography of the neotropical genus *Lachemilla* (Rosaceae). Botany meeting, Edmonton, Alberta, Canada, 2015.
- Jacobs, SJ†, S Torpey†, M Latvis, and **DC Tank**. Integrated species delimitation in the *Castilleja cusickii* (Orobanchaceae) species complex. Botany meeting, Edmonton, Alberta, Canada, 2015.
- Latvis, M, SJ Jacobs†, J McCullough†, S Torpey†, and **DC Tank**. Phylogenomic data and dense taxon sampling reveal repeated episodes of hybridization throughout the complex evolutionary history of *Castilleja* (Orobanchaceae). Botany meeting, Edmonton, Alberta, Canada, 2015.
- Tank, DC**, L Widener, M Latvis, SJ Jacobs†, K Skogen, and J Fant. Phylogeny and evolution of a historically challenging species group: mixed data types identify cryptic species and a history of gene flow in the *Castilleja latifolia* (Orobanchaceae) species alliance. Botany meeting, Edmonton, Alberta, Canada, 2015.

- Marx, HE[†], C Dentant, S Lavergne, and **DC Tank**. Patterns of community assembly on "sky islands" in the French Alps using mega-phylogenetic approaches. Botany meeting, Edmonton, Alberta, Canada, 2015.
- Jordan-Thaden, I, I Gilman^{†*}, S Uribe-Convers[†], S Chamala, **DC Tank**, and C Martine. Selection and validation of transcriptome-mined intronic primers for Fluidigm PCR and Illumina sequencing. Botany meeting, Edmonton, Alberta, Canada, 2015 (poster).
- Butler, A[†], M Latvis, SJ Jacobs[†], and **DC Tank**. Species delimitation in the *Castilleja pilosa* species complex. Botany meeting, Edmonton, Alberta, Canada, 2015 (poster).
- Marx, HE[†], P Weigelt, S Lavergne, and **DC Tank**. Dissecting drivers of invaded communities in a comparative phylogenetic framework. British Ecological Society and Société Française d'Ecologie, Lille, France, 2014.
- Marx, HE[†], P Weigelt, S Lavergne, and **DC Tank**. Dissecting drivers of invaded communities in a comparative phylogenetic framework. Modern Comparative Phylogenetic Methods, Seville, Spain, 2014.
- Jordan-Thaden, I, S Uribe-Convers[†], GT Godden, S Chamala, **DC Tank**, and CT Martine. A research workflow for development of single-copy nuclear loci and high-throughput targeted enrichment for two or more phylogenetic studies. Botany meeting, Boise, Idaho, 2014.
- Uribe-Convers, S[†], ML Settles, and **DC Tank**. A targeted subgenomic approach for phylogenomics based on microfluidic PCR and high throughput sequencing. Botany meeting, Boise, Idaho, 2014.
- Morales-Briones, D[†], and **DC Tank**. The role of polyploidy and hybridization in the diversification of *Lachemilla* (Rosaceae). Botany meeting, Boise, Idaho, 2014.
- Uribe-Convers, S[†] and **DC Tank**. Species-level systematics of *Bartsia* (Orobanchaceae): a multilocus approach with complete sampling and hundreds of individuals for a rapid and recent Andean radiation. Botany meeting, Boise, Idaho, 2014.
- Marx, HE[†], S Lavergne, W Thuiller, and **DC Tank**. Dissecting drivers of community assembly in a comparative phylogenetic framework. Botany meeting, Boise, Idaho, 2014.
- Tank, DC**. Polyploidy and diversification rates: blind alleys, dead ends, and delayed drivers. Botany meeting, Boise, Idaho, 2014.
- Tank, DC**, JM Eastman, MW Pennell, CE Hinchliff, PS Soltis, DE Soltis, and LJ Harmon*. Progressive radiations and the pulse of angiosperm diversification. Radiations conference, Institute of Systematic Botany, University of Zürich, Zürich, Switzerland, 2014.
- Zanne, AE, JM Beaulieu, WK Cornwell, and **DC Tank**. Evolution and biogeography of leaf and stem traits: consequences for carbon cycling. INTECOL, ExCel, London, UK, 2013.
- Jacobs, SJ[†], C Kristofferson[†], S Uribe-Convers[†], and **DC Tank**. Evaluating the taxonomic status of two narrowly endemic owl's clovers (*Castilleja*: Orobanchaceae). Botany meeting, New Orleans, Louisiana, 2013.
- Marx, HE[†] and **DC Tank**. Alien encounters of the floral kind: interpreting patterns of community assembly on the San Juan Islands. Botany meeting, New Orleans, Louisiana, 2013.
- Morales-Briones, DF[†], A Liston, and **DC Tank**. Phylogenomics of *Lachemilla* (Rosaceae): Coalescent-based species trees using sequence capture data. Botany meeting, New Orleans, Louisiana, 2013.
- Uribe-Convers, S[†] and **DC Tank**. Got Genome? A long PCR based method for chloroplast genome enrichment and phylogenomics in angiosperms. Botany meeting, New Orleans, Louisiana, 2013.
- Uribe-Convers, S[†] and **DC Tank**. Chloroplast phylogenomics in *Bartsia* (Orobanchaceae): a subgenomic approach using microfluidic PCR. Botany meeting, New Orleans, Louisiana, 2013.
- Jacobs, SJ[†], C Kristofferson[†], S Uribe-Convers[†], and **DC Tank**. Coalescent-based species delimitation in a recently diverged lineage: a case study using multiple methods. Evolution meeting, Snowbird, Utah, 2013.
- Marx, HE[†] and **DC Tank**. Alien encounters of the floral kind: interpreting patterns of community assembly on the San Juan Islands. Evolution meeting, Snowbird, Utah, 2013.
- Tank, DC**, JM Eastman, MW Pennell, and LJ Harmon. Progressive radiations and the pulse of angiosperm diversification. Botany meeting, Columbus, Ohio, 2012.
- Morales-Briones, D[†], K Romoleroux, and **DC Tank**. Phylogenetic relationships of *Lachemilla* and its relatives in subtribe Alchemillinae (Rosaceae): intergeneric relationships, polyploidy, and hybridization. Botany meeting, Columbus, Ohio, 2012.

- Marx, HE[†], D Giblin, P Dunwiddie, and **DC Tank**. Community phylogenetics of the vascular flora of the San Juan Islands archipelago in Puget Sound. Botany meeting, Columbus, Ohio, 2012.
- Tank, DC**, and JM Eastman. Diversification rates, life history shifts, and chromosomal evolution in *Castilleja* and relatives (Castillejinae, Orobanchaceae). Botany meeting, St. Louis, Missouri, 2011.
- Kisha, TJ, B Hellier, **DC Tank**, and J Hu. Comparison of *matK* sequences and TRAP molecular markers for the taxonomic characterization of six species of the *Allium* section *Cepa* (Mill.) Prokh. complex. American Society for Horticultural Science meeting, Waikoloa, Hawaii, 2011. abstract published in supplement to HortScience 46: S205.
- Tank, DC**, J Duke[†], and S Uribe-Convers[†]. Phylogeny and diversification of the species-rich perennial *Castilleja* (Orobanchaceae) clade: parallel radiations in western North America and montane Latin America. Botany meeting, Providence, Rhode Island, 2010.
- Uribe-Convers, S[†] and **DC Tank**. Phylogenetic analysis of the genus *Bartsia* L. (Orobanchaceae): a mostly South American genus wrapped in a European clade. Botany meeting, Providence, Rhode Island, 2010.
- Clay, D[†], **DC Tank**, JM Egger, and JF Smith. Exploring interspecific hybridization in a rare endemic species of paintbrush (*Castilleja christii*, Orobanchaceae) using molecular and morphological techniques. Botany meeting, Providence, Rhode Island, 2010.
- Olmstead, RG, Y-W Yuan, HE Marx[†], and **DC Tank**. The PPR gene family, one stop shopping for multiple, independent, nuclear gene loci for plant phylogenetics with examples from Lamiales. Botany meeting, Providence, Rhode Island, 2010.
- Soltis, DE, SA Smith, N Cellinese, M Moore, NF Refulio-Rodriguez, RG Olmstead, S Crawley, C Black, D Diouf, KW Hilu, Y-L Qiu, KJ Sytsma, K Wurdack, Z Xi, CC Davis, **DC Tank**, M Sanderson, MJ Donoghue, and PS Soltis. Inferring angiosperm phylogeny: 17-gene 642-taxon analyses. Botany meeting, Providence, Rhode Island, 2010.
- Tank, DC**. Using large trees to synthesize and direct phylogenetic research in Orobanchaceae. Botany meeting, Snowbird, Utah, 2009.
- Tank, DC** and MJ Donoghue. Phylogeny and phylogenetic nomenclature of the Campanulidae based on an expanded sample of genes and taxa. Botany meeting, Snowbird, Utah, 2009.
- Tank, DC**. Using large trees to synthesize and direct phylogenetic research in Orobanchaceae. Evolution meeting, Moscow, Idaho, 2009.
- Olmstead, RG and **DC Tank**. Over-precision in molecular dating. Botany meeting, Vancouver, British Columbia, 2008.
- Olmstead, RG and **DC Tank**. Over-precision in molecular dating. Evolution meeting, Minneapolis, Minnesota, 2008.
- Tank, DC**, RC Winkworth, J Lundberg, and MJ Donoghue. An update on Campanulid phylogeny. Botany meeting, Chicago, Illinois, 2007.
- Tank, DC** and RG Olmstead. Evolutionary history of perennial *Castilleja* (Castillejinae, Orobanchaceae): evidence from the nuclear gene *waxy*. Botany meeting, Chicago, Illinois, 2007.
- Angiosperm Tree of Life Group, DE Soltis. Progress in Assembling the Angiosperm Tree of Life. Botany meeting, Chicago, Illinois, 2007.
- Olmstead, RG, PM Beardsley, and **DC Tank**. Evolution of ploidy, perenniality, and pollination in monkey flowers and paintbrushes. Evolution meeting, Christchurch, New Zealand, 2007.
- Tank, DC** and RG Olmstead. Geographic disjunction or morphological convergence? The evolutionary origin of a second radiation of annual *Castilleja* species in South America (subtribe Castillejinae: Orobanchaceae). Botany meeting, Austin, Texas, 2005.
- Tank, DC** and RG Olmstead. Systematics of subtribe Castillejinae (Orobanchaceae): the role of morphology in taxon delimitation. Evolution meeting, Fort Collins, Colorado, 2004.
- Tank, DC** and RG Olmstead. Phylogenetic analysis of subtribe Castillejinae (tribe Rhinanthae: Orobanchaceae). Botany meeting, Madison, Wisconsin, 2002.
- Tank, DC**, X-Q Wang, and T Sang. Recent transfers of cinnamyl alcohol dehydrogenase between conifers diverged 200 million years ago. Botany meeting, Albuquerque, New Mexico, 2001.
- Tank, DC** and T Sang. The glycerol-3-phosphate acyltransferase gene in *Paeonia* (Paeoniaceae): molecular evolution and phylogenetic utility. Botany meeting, Portland, Oregon, 2000.

Wang, X-Q, **DC Tank**, and T Sang. Phylogeny and divergence times in Pinaceae: evidence from three genomes. Botany meeting, Portland, Oregon, 2000.

Tank, DC and T Sang. Evolution of the GPAT gene in *Paeonia* (Paeoniaceae). XVI International Botanical Congress, St. Louis, Missouri, 1999 (poster).

EDUCATIONAL OUTREACH:

8th Annual Idaho Botanical Foray; Nez Perce-Clearwater National Forest **June 2015**
5-day collecting trip for >25 volunteers from the University of Idaho, Boise State University, and Idaho State University.

Plants Are Cool, Too! episode 2: Fossilized Forests; Guest Host & Location Producer **September 2012**
<http://www.youtube.com/watch?v=YfRXDbtkEi0>

4th Annual Idaho Botanical Foray; Payette National Forest **June 2011**
5-day collecting trip for >40 volunteers from the University of Idaho, Boise State University, College of Idaho, Idaho State University, Washington State University, and the University of Washington.

SERVICE TO THE SCIENTIFIC COMMUNITY:

Technology Committee, Chair **2015-present**
Botanical Society of America

Editorial Board **2009-present**
Organisms, Diversity, and Evolution

Council **2013-present**
International Society for Phylogenetic Nomenclature

Awards Committee **2014**
American Society of Plant Taxonomists

Technology Committee **2013-2015**
Botanical Society of America

Governing Board, Bioinformatics and Computational Biology graduate program **2012-2015**
Institute for Bioinformatics and Evolutionary Studies, University of Idaho

Committee on Phylogenetic Nomenclature, Chairperson **2011-2012**
International Society for Phylogenetic Nomenclature

National Science Foundation Panelist **2010**
Division of Biological Infrastructure, Biological Research Collections Panel

Committee on Phylogenetic Nomenclature **2009-2012**
International Society for Phylogenetic Nomenclature

Symposium Co-Organizer (with CP Randle and JM Morawetz) **2009**
The Greatest Opportunists of All- Celebrating 40 years of Job Kuijt's *Biology of Parasitic Flowering Plants*. Botany meeting, Snowbird, Utah, 2009.

Nominations Committee **2007-2010**
International Society for Phylogenetic Nomenclature

Manuscript Reviews **2002-present**
Acta Horticulturae (2006); American Journal of Botany (2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015); Applications in Plant Sciences (2014); BMC Evolutionary Biology (2009, 2010, 2013, 2015); Botanical Journal of the Linnean Society (2012, 2013); Evolution (2014); Flora of North America (2015); Folia Geobotanica (2009); International Journal of Plant Sciences (2011, 2012, 2013); Journal of Ecology (2014, 2015); Journal of Systematics and Evolution (2010, 2011); Molecular Phylogenetics and Evolution (2002, 2004, 2006, 2007, 2008, 2009, 2011, 2012, 2013, 2014, 2015); New Phytologist (2014); Phylonyms: A Companion to the Phylocode (2009, 2010, 2011); Phytotaxa (2012, 2013); Plant Physiology (2007); Plant Systematics and Evolution (2007); Systematic Botany (2010, 2011, 2012, 2013, 2014, 2015); Taxon (2006, 2009)

Grant Proposal Reviews

Panel service: National Science Foundation, Collections in Support of Biological Research (2010); National Science Foundation, Graduate Research Fellowship Program (2015); National Science Foundation, Systematics and Biodiversity Sciences (2015).

Ad hoc reviews: National Geographic Society (2008); National Science Foundation, Systematics and Biodiversity Sciences (2008, 2009, 2013)

Memberships in Professional Associations (current)

Society for Systematic Biology, Society for the Study of Evolution, Botanical Society of America, American Society of Plant Taxonomists, International Society for Phylogenetic Nomenclature, Sigma-Xi, Society of Herbarium Curators, Idaho Native Plant Society

Advising

Graduate students: *completed* - Simon Uribe-Convers (PhD, 2009-2014); *in progress* - Hannah E Marx (PhD, 2011), Diego Morales-Briones (PhD, 2012), Sarah Jacobs (PhD, 2012), Ian Gilman (MS, 2015), Megan Ruffley (PhD, 2015; co-advised with J Sullivan)

Postdoctoral scholars: *current* - Maribeth Latvis (2013), Anahi Espindola (2015; co-advised with J Sullivan); *former* - Jonathan Eastman (2012-2013; co-advised with LJ Harmon)

Student committees: *completed* - Brice Sarver (University of Idaho, PhD, 2014), Mare Nazaire (Washington State University, PhD, 2013), Rachel Hutchinson (University of Idaho, MS, 2013), Danielle Clay (Boise State University, MS, 2011); *in progress* - Sara Ashiglar (University of Idaho, MS), Daniel Caetano (University of Idaho, PhD), Tyler Gulliksen (University of Idaho, MS), Joshua Miller (University of Idaho, MS), Megan Riley (University of Idaho, MS), Katie Peterson (University of Idaho, PhD), Andre Sanfiorezno (University of Idaho, PhD), Maria Paulina Viteri (University of Idaho, PhD)

PUBLICATIONS ([†]INDICATES STUDENT COAUTHOR)

IN REVIEW/REVISION:

Uribe-Convers, S[†] and **DC Tank**. *in revision*. Phylogenetic revision of the genus *Bartsia* (Orobanchaceae): disjunct distributions correlate to independent lineages. *submitted to Systematic Botany*.

Uribe-Convers, S[†], ML Settles, and **DC Tank**. *in revision*. A targeted subgenomic approach for phylogenomics based on microfluidic PCR and high throughput sequencing. *submitted to PLOS ONE*.

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Uribe-Convers, S[†], ML Settles, and **DC Tank**. 2015. A targeted subgenomic approach for phylogenomics based on microfluidic PCR and high throughput sequencing. bioRxiv: 021246. doi: 10.1101/021246.

Uribe-Convers, S[†] and **DC Tank**. 2015. Shifts in diversification rates linked to biogeographic movement into new areas: An example of a recent radiation in the Andes. bioRxiv: 019554. doi: 10.1101/019554.

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Marx, HE[†], DE Giblin, PW Dunwiddie, and **DC Tank**. *in press [early view online]*. Deconstructing Darwin's Naturalization Conundrum in the San Juan Islands using community phylogenetics and functional traits. Diversity and Distributions. doi: 10.1111/ddi.12401.

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