CURRICULUM VITA

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EDUCATION

	JUCAN			
	1986	PhD	Rutgers, the State University of New Jersey	Biological Sciences (Botany)
	1978	MS	University of Wisconsin - Milwaukee	Biological Sciences (Botany)
	1973	BS	University of Wisconsin - Oshkosh	Biology
PI	ROFESS	IONAL EXF	PERIENCE	
	2018 -	- 2019	Director, EUReCA! Programs, Office of the F	Provost, University of Colorado Denver
	2018 -	- present	Professor Emeritus, Integrative Biology, Uni	iversity of Colorado Denver
	2018 -	- present	Special Graduate Faculty, Integrative Biolog	y, University of Colorado Denver
	2018		Professor, Integrative Biology, University of	Colorado Denver
	1998 -	- 2018	Associate Professor, Integrative Biology, Un	iversity of Colorado Denver
	2017 -	- present	Subject Matter Editor, Systematics, Castane	20
	2014 -	- 2017	Director, Undergraduate Research and Cre Experiences, University of Colorado Denver	
	2007 -	- present	Adjunct Scientist, Research and Conservation	on, Denver Botanic Gardens
	2009 -	- 2014	Director, CLAS Math and Science Learning a of Colorado Denver	and Education Signature Area, University
	2006 -	- 2010	Chair, Integrative Biology, University of Cole	orado Denver
	2008		Visiting Scientist, Canadian Museum of National Scientist, Canadian Museum of National Science (Control of	ure (Gatineau Campus)
	1999 -	- 2006	Associate Chair, Biology, University of Color	rado Denver
	2002 -	- 2003	Acting Associate Dean, College of Liberal A Denver	Arts and Sciences, University of Colorado
	1994 -	- 1998	Assistant Professor, Biology, University of C	olorado Denver
	1992 -	- 1994	Associate Member, Graduate Faculty, West	ern Michigan University
	1990 -	- 1994	Assistant Professor, Biology, University of N	Aichigan - Flint
	1987 -	- 1990	Postdoctoral Associate, Blueberry and Cra Experiment Station, Rutgers, the State Univ	
	1986 -	- 1987	Postdoctoral Scientist, Plant Ecology and Sy	stematics, Universität Bayreuth
	1986		Research and Teaching Specialist, Pharr Dentistry of NJ	nacology, University of Medicine and
	1985 -	- 1986	Botany Intern, The Nature Conservancy, Arl	ington, VA
	1983 -	- 1985	Microbiology Laboratory Coordinator, B University of New Jersey	iological Sciences, Rutgers, the State
	1982 -	- 1983	Botany Intern, The Nature Conservancy, Phi	iladelphia, PA
	1979 -	- 1983	Graduate Assistant, Biological Sciences, Rut	gers, the State University of New Jersey

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- 1978 1979 Field Botanist, Center for Lake Superior Environmental Studies, University of Wisconsin Superior
- 1977 1978 Biology Teacher, Notre Dame High School, Milwaukee, Wi
- 1974 1977 Graduate Assistant, University of Wisconsin Milwaukee

REFEREED PUBLICATIONS, INVITED BOOK CHAPTERS, AND THESES

Accepted - minor revision	Lea ² , MV, J Syring, T Jennnings, R Cronn, LP Bruederle , J Ramp Neale, and DF Tomback. Development of nuclear microsatellite loci for <i>Pinus albicaulis</i> Engelm. (Pinaceae), a conifer of conservation concern. <i>PLOS ONE.</i>
Revise and resubmit	Bruederle, LP , T Villaverde, M Escudero, E Pansing ² , M Luceño, and JR Starr. Divergence followed long-distance dispersal of the bipolar disjunct <i>Carex magellanica</i> Lam. (Cyperaceae) during the Pleistocene. <i>American Journal of Botany</i> .
In review	Westergaard, KB, S Fior, LP. Bruederle ³ , HK Stenøien, N Zemp, A Widmer. Population genomic evidence for plant glacial survival in Scandinavia [.] <i>Molecular Ecology</i> .
2018 online -	Mastin ² , JE, P Anthamatten, and LP Bruederle . Ecological niche modeling reveals divergence between tetraploid and hexaploid populations in <i>Eutrema edwardsii</i> R BR. (Brassicaceae). <i>Botany</i> .
2017 online (2018 in print)	Mastin ^{1,2} , JE, N Luebke, P Anthamatten, and LP Bruederle . Evidence for genetic allopolyploidy in <i>Eutrema edwardsii</i> R. Br. (Brassicaceae) — implications for conservation. <i>Plant Systematics and Evolution</i> 9: 1-9.
2016	Global <i>Carex</i> Group: Kasey K. Pham, Marlene Hahn, Kate Lueders, Bethany H. Brown, Leo P. Bruederle, Jeremy J. Bruhl, Kyong-Sook Chung, Nathan J. Derieg, Marcial Escudero, Bruce A. Ford, Sebastian Gebauer, Berit Gehrke, Matthias H. Hoffmann, Takuji Hoshino, Pedro Jiménez-Mejías, Jongduk Jung, Sangtae Kim, Modesto Luceño, Enrique Maguilla, Santiago Martín-Bravo, Robert F. C. Naczi, Anton A. Reznicek, Eric H. Roalson, David A. Simpson, Julian R. Starr, Tamara Villaverde, Marcia J. Waterway, Karen L. Wilson, Okihito Yano, Shuren Zhang, and Andrew L. Hipp. Specimens at the Center: An Informatics Workflow and Toolkit for Specimen-level analysis of NCBI GenBank Data. <i>Systematic Botany</i> 3: 529-539.
2015	Global <i>Carex</i> Group. Making <i>Carex</i> monophyletic (Cyperaceae, tribe Cariceae): a new broader circumscription. <i>Botanical Journal of the Linnaean Society</i> 179: 1-42.
2015	Villaverde, T, M Escudero, S Martín-Bravo, LP Bruederle, M Luceño, and JR Starr. Direct long-distance dispersal best explains the bipolar distribution of <i>Carex arctogena</i> (<i>Carex</i> sect. <i>Capituligereae</i> , Cyperaceae). Journal of Biogeography 42: 1514-1525.
2014	Smolinski ² , SL, PJ Anthamatten, LP Bruederle , JM Barbour, and FB Chambers. Mountain pine beetle infestation of lodgepole pine in areas of water diversion: implications for forest and water management. <i>Journal of Environmental Management</i> 139: 32-37.
2013	Derieg, NJ ² , SJ Weil ² , AA Reznicek, and LP Bruederle . <i>Carex viridistellata</i> (Cyperaceae), a rare new species of the prairie peninsula. <i>Systematic Botany</i> 38: 82-91.
2008	Bruederle, LP , SL Yarbrough ² , and SD Fehlberg ² . Allozyme variation in the genus <i>Carex</i> 15 years later. Pages 187-196 <i>in</i> : RFC Naczi and BA Ford, editors. <i>Sedges: Uses, Diversity,</i> <i>and Systematics of the Cyperaceae</i> . Monographs in Systematic Botany from the Missouri Botanical Garden. Missouri Botanical Garden Press, St Louis.

2008	Derieg, NJ ² , A Sanguamphai ¹ , and LP Bruederle . Genetic diversity and endemism in North American <i>Carex</i> section <i>Ceratocystis</i> (Cyperaceae). <i>American Journal of Botany</i> 95: 1287-1296.
2002	Standley, LA, J Cayouette, and LP Bruederle . <i>Carex</i> section <i>Phacocystis</i> . Pages 379-401 <i>in</i> : Flora of North America Editorial Committee, editors. <i>Flora of North America North of</i> <i>Mexico</i> , Vol 23. Magnoliophyta: Commelinidae (in part): Cyperaceae. Oxford University Press, New York.
2001	Bruederle, LP , DL Rogers, KV Krutovskii, and DV. Politov. Population genetics and evolutionary implications Pages 137-153 <i>in</i> : DF Tomback, SF Arno, and RE Keane, editors. <i>Whitebark Pine Communities: Ecology and Restoration</i> . Island Press, Washington, DC, USA.
2001	Dekker-Robertson, D, and LP Bruederle . Management implication of genetic structure. Pages 310 - 324 <i>in</i> : DF Tomback, SF Arno, and RE Keane, editors. <i>Whitebark pine</i> <i>Communities: Ecology and Restoration</i> . Island Press, Washington, DC, USA.
2001	Kuchel, SD ² , and LP Bruederle . Genetic diversity and structure in North American populations of <i>Carex viridula</i> Michx (Cyperaceae). <i>Madroño</i> 47: 147-158.
2000	Mahy ³ , G, LP Bruederle , B Connors ¹ , M Van Hofwegen ¹ , and N Vorsa. Allozyme evidence for genetic autopolyploidy and high genetic diversity in tetraploid cranberry, <i>Vaccinium oxycoccos</i> (Ericaceae). <i>American Journal of Botany</i> 87: 1882-1889.
1999	Ortiz, R, N Vorsa, LP Bruederle , and T Laverty ¹ . Pollen viability in natural populations of three North American diploid species of blueberry (<i>Vaccinium</i> section <i>Cyanococcus</i>). <i>Scientia Horticulturae</i> 80: 39-48.
1999	Bruederle, LP . Genetic differentiation of geographically marginal populations in <i>Carex</i> <i>mitchelliana</i> (Cyperaceae): Implications for conservation. Journal of the Torrey <i>Botanical Society</i> 126: 1-8.
1998	Johnson, SA ² , LP Bruederle , and DF Tomback. A mating system conundrum: Hybridization in <i>Apocynum</i> (Apocynaceae). <i>American Journal of Botany</i> 85: 1316-1323.
1998	Bruederle, LP , DF Tomback, KK Kelly ² , and RC Hardwick ² . Population genetic structure in a bird-dispersed pine, <i>Pinus albicaulis</i> (Pinaceae). <i>Canadian Journal of Botany</i> 76: 83-90.
1996	Bruederle, LP , MS Hugan ¹ , JM Dignan ¹ , and N Vorsa. Genetic variation in natural populations of the large cranberry (<i>Vaccinium macrocarpon</i> Ait (Ericaceae). <i>Bulletin of the Torrey Botanical Club</i> 123: 41-47.
1994	Bruederle, LP , and N Vorsa. Genetic differentiation of diploid blueberry, <i>Vaccinium</i> section <i>Cyanococcus</i> (Ericaceae). <i>Systematic Botany</i> 19: 337-349.
1993	Costich, DE, R Ortiz, TR Meagher, LP Bruederle , and N Vorsa. Determination of ploidy level and nuclear DNA content in blueberry by flow cytometry. <i>Theoretical and Applied Genetics</i> 86: 1001-1006.
1992	Ortiz, R, LP Bruederle , T Laverty ¹ , and N Vorsa. The origin of polyploids <i>via</i> 2n gametes in <i>Vaccinium</i> section <i>Cyanococcus. Euphytica</i> 61: 241-246.
1992	Ortiz, R, N Vorsa, LP Bruederle , and T Laverty ¹ . Occurrence of unreduced pollen in diploid blueberry species, <i>Vaccinium</i> sect <i>Cyanococcus</i> . <i>Theoretical and Applied Genetics</i> 85: 55-60.
1991	Bruederle, LP , and U. Jensen. Genetic differentiation of <i>Carex flava</i> and <i>Carex viridula</i> in West Europe (Cyperaceae). <i>Systematic Botany</i> 16: 41-49.

1991	Bruederle, LP , N Vorsa, and JR Ballington. Population genetic structure in diploid blueberry, <i>Vaccinium</i> § <i>Cyanococcus</i> (Ericaceae). <i>American Journal of Botany</i> . 78: 230-237.
1991	Standley, LA, JL Dudley, and LP Bruederle . Electrophoretic variability in the rare sedge, <i>Carex polymorpha</i> (Cyperaceae). <i>Bulletin of the Torrey Botanical Club</i> 118: 444-450.
1991	van Heemstra, MI, LP Bruederle , and N Vorsa. Inheritance and linkage of thirteen polymorphic isozyme loci in diploid blueberry. <i>Journal of the American Society of Horticultural Science</i> 116:89-94.
1989	Bruederle, LP , DE Fairbrothers, and SE Hanks. Systematic circumscription of <i>Carex mitchelliana</i> (Cyperaceae) with reference to taxonomic status. American Journal of <i>Botany</i> 76: 124-132.
1986	Bruederle, LP . Systematics of the <i>Carex crinita</i> Lam complex (Cyperaceae). PhD Dissertation, Rutgers, the State University of New Jersey, New Brunswick.
1986	Bruederle, LP , and DE Fairbrothers. Allozyme variation in populations of the <i>Carex crinita</i> complex (Cyperaceae). <i>Systematic Botany</i> 11: 583-594.
1985	Bruederle, LP , and FW Stearns. Ice Storm damage to a southern mesic Wisconsin forest. <i>Bulletin of the Torrey Botanical Club</i> 112: 167-175.
1983	Koch, RG, P Younger ¹ , and LP Bruederle . Vegetation and floristics of Wisconsin Point, Douglas County. <i>Michigan Botanist</i> 22: 33-46.
1978	Bruederle, LP . The ecological role of ice storms in the southern mesic forests of Wisconsin. MSC Thesis, University of Wisconsin, Milwaukee.
NOTES, BOOK F	REVIEWS, AND OTHER NON-REFEREED PUBLICATIONS
2009	Smith, PF, AA Reznicek, L Yeatts, SJ Popovich, and LP Bruederle. Noteworthy Collections Colorado: <i>Carex conoidea</i> (Cyperaceae). <i>Madroño</i> 56: 68.
2001	Bruederle, LP. Variety. Page 146 <i>in</i> : R Robinson, editor. Plant Sciences Macmillan Reference USA, New York, NY, USA Vol 4.
1993	Bruederle, LP . Wildflower lore, and more (Sanders, J. 1993. <i>Hedge-maids and Fairy Candles</i> . Ragged Mountain Press, Camden). <i>Prairie Naturalist</i> 26: 259.
1985	Bruederle, LP. Carex mitchelliana in Crawford County, Pennsylvania. Bartonia 51: 112- 113.
MANUSCRIPTS	IN PREPARATION
In revision	Jorgenson, M ¹ , JE Mastin, and LP Bruederle . Unreduced gamete formation in the large cranberry, <i>Vaccinium macrocarpon</i> (Ericaceae). <i>Journal of the Torrey Botanical Society</i> .
in revision	English ² , CT, A Schultz ¹ , VL Scott, TL Griswold, and LP Bruederle . Annual Variation for effective pollination in a rare Colorado endemic, <i>Penstemon degeneri. Plant Species Biology</i> .
in revision	Hardwick, RC ² , JE Mastin ² , and LP Bruederle . Genetic diversity in the alpine endemic <i>Eutrema penlandii</i> (Brassicaceae). <i>Madrono.</i>
drafted	Goëbbeler, K, K Regier ² , and LP Bruederle . Systematic investigations of the threatened Colorado endemic <i>Eutrema penlandii</i> (Brassicaceae). <i>American Journal of Botany</i> .

in prep Global *Carex* Group. A framework infrageneric classification of *Carex*.

REPORTS (NON-REFEREED)

2016	Bruederle, LP . Systematic investigations of the Federally Threatened <i>Eutrema penlandii</i> emphasizing the conservation of genetic and species diversity. Report submitted to the US Fish & Wildlife, Conservation Office, Grand Junction, CO.
1997	Bruederle, LP . Quantifying nutrient, major cation, and vegetation gradients within a subalpine fen: a baseline study for long-term impacts of nitrogen influx. Report submitted to The Nature Conservancy, Colorado Program, Boulder, CO. 69p.
1997	Bruederle, LP . Population genetic variation in <i>Eutrema penlandii</i> : increasing understanding of population and reproductive biology in an alpine endemic. Report submitted to the Colorado Natural History Small Grants Program, Denver, CO. 21p.
1996	Bruederle, LP , SE Hill ¹ , and KJ Fehlberg ² . A comparative floristic analysis of montane vegetation: response to an environmental perturbation. Report submitted to the USDA FS, South Platte District, Morrison, CO. 39p.
1995	Bruederle, LP , E Szuch, JR Moore ¹ , and L Robbins ¹ . Natural features inventory of Portage Creek Basin. Report submitted to the City of Portage, City Hall, Portage, MI. 102 p.
1993	Moore, J ¹ , MS Hugan ¹ , and LP Bruederle . Ecological comparison of three prairie fens in southeastern Michigan. Report submitted to the Michigan Natural Features Inventory, Lansing, MI. 10p.
1992	Wade, CA ¹ , and LP Bruederle . Status of the rare white lady-slipper at the Perryville Fen. Report submitted to Michigan Natural Features Inventory, Lansing, MI. 2p.
1983	Bruederle, LP . <i>Aeschynomene virginica</i> (L) BSP — The sensitive joint vetch at the Manumuskin River, Paul Curnow Wetlands, Cumberland Co, NJ. Master Plan for Management submitted to The Nature Conservancy, Pennsylvania/New Jersey Field Office, Philadelphia, PA.
1982	Bruederle, LP, and SE Davison. Vascular plant species observed at the periglacial marsh, East Nantmeal Township, Chester CO, PA. Final report submitted to The Nature Conservancy, Pennsylvania/New Jersey Field Office, Philadelphia, PA.
1979	Koch, RG, PW Lukens, LP Bruederle , and PD Olsen. Wisconsin Point: a review of the fauna and flora with management suggestions. Final report submitted to the City of Superior. CLSES, UW-Superior (mimeo).
PRESENTATIO	INS, ORAL OR POSTER
2018	Bard ² , NW, KB Westergaard, and LP Bruederle . Soil niche differentiation among populations of <i>Carex scirpoidea</i> (Cyperaceae). Botany 2018, 21-24 July 2018. Rochester, MN.
2018	Westergaard, KB, S Fior, LP Bruederle , HK Stenøien, N Zemp, and A Widmer. Population genomic evidence reveals multiple North American Pleistocene refugia for <u>Carex</u> <u>scirpoidea (</u> Cyperaceae). Botany 2018, 21-24 July 2018. Rochester, MN.
2017	Mastin ² , JE, and LP Bruederle . Ecological niche modeling reveals divergence between tetraploid and hexaploid populationa of <i>Eutrema edwardsii</i> R. Br. (Brassicaceae). Botany 2017, 24-28 June 2017. Fort Worth, TX.
2017	Mastin ² , JE, and LP Bruederle. Ecological niche modeling reveals divergence between

tetraploid and hexaploid *Eutrema edwardsii* R. Br. (Brassicaceae). Canada's Arctic Biodiversity: The Next 150 Years, 26-27 January 2017. Ottawa, ONT, CAN.

2016	Westergaard, KB, S Flor, A Widmer, LP Bruederle , and H Stenøien. The enigmatic, dioecious <i>Carex scirpoidea</i> : origin of its three European populations. Origin and Natural History of the Scandinavian Biota, 7-8 November 2016. Stockholm, SW.
2016	Bruederle, LB , T. Villaverde, M Escudero, M. Luceño, and J Starr. Insight into the bipolar disjunction in <i>Carex magelllanica</i> Lam. (Cyperaceae). Botany 2016, 30 July – 3 August 2016. Savannah, GA.
2014	Majack ² , ML, and LP Bruederle . Pondweeds (Potamogetonaceae) of Colorado: revisions to the distribution of an undercollected aquatic plant family. Botany 2014, 26-30 July 2014. Boise, ID.
2014	Pembrook ² , JW, and LP Bruederle . Population genetic diversity and structure in the edaphic endemic <i>Carex scirpoidea</i> subsp. <i>convoluta</i> (Cyperaceae). Botany 2014, 26-30 July 2014. Boise, ID.
2013	Bruederle, LP , T Bourret ¹ , D Ray ¹ , and J Starr. Systematics of <i>Carex magellanica</i> Lam. (Cyperaceae), a bipolar sedge. Botany 2013, 27-31 July 2013. New Orleans, LA.
2013	Mastin ¹ , J, Bruederle, LP , and E Yakish. Evidence for genetic allopolyploidy in <i>Eutrema edwardsii</i> R. Br. (Brassicaceae). Botany 2013, 27-31 July 2013. New Orleans, LA.
2013	Pembrook ² , JW, Bruederle, LP , and D Dunlop. Phylogenetics of <i>Carex</i> section <i>Scirpinae</i> Tuckerman (Cyperaceae). Botany 2013, 27-31 July 2013. New Orleans, LA.
2012	Bruederle, LP , NJ Derieg ² , and AA Reznicek. <i>Carex viridistellata sp nov</i> (Cyperaceae), a new cryptic species from prairie fens of the Eastern United States. Botany 2012, 27-31 July 2012. Columbus, OH.
2011	Göbbeler ³ , K, and LP Bruederle . Molecular phylogeny and historical biogeography of the circumpolar arctic plant species <i>Eutrema edwardsii</i> (Brassicaceae). Evolution 2011, 17-21 June. Norman, OK
2011	Wenzel, A ² , A Wolfe, C English ² , and LP Bruederle . Reproductive biology and genetic diversity in <i>Penstemon degeneri</i> (Plantaginaceae), a rare species endemic to Colorado. Botany 2011, 9-13 July. St Louis, MO.
2011	Göbbeler ³ , K, and LP Bruederle . Molecular systematics of the <i>Eutrema edwardsii</i> complex (Brassicaceae). IBC 2011, 23-30 July. Melbourne, Australia.
2010	Villaverde, T ² , M Luceño, LP Bruederle , and JR Starr. Cryptic diversity and phylogeography of <i>Carex capitata</i> (Cyperaceae): a bipolar species complex. QCBS Symposium: Biodiversity Science in Quebec: 2010 and Beyond, 30 November-2 December. Montreal, QC, Canada.
2009	Bruederle, LP , RD Bull, A Ginter ¹ , A MacPhail, ¹ and JR Starr. Cross-species amplification for 36 microsatellite loci in Tribe Cariceae (Cyperaceae) and their potential for systematic research on sedges. Botany & Mycology 2009, 25-29 July. Snowbird, UT
2009	English, ² CT, SJ Saunders, ¹ R Adams, ¹ and LP Bruederle . Annual Variation for effective pollination in <i>Penstemon degeneri</i> Crosswhite (Plantaginaceae), a rare Colorado Endemic. Botany & Mycology 2009, 25-29 July. Snowbird, UT.
2009	Schultz, A ¹ , CT English ² , and LP Bruederle . Pollen-ovule ratios as an indicator of breeding system in <i>Penstemon degeneri</i> (Plantaginaceae), a rare Colorado endemic. Botany & Mycology 2009, 25-29 July. Snowbird, UT.

2009	Wilson, DC ² , and LP Bruederle . Pollination biology of the stream orchid, <i>Epipactis gigantea</i> (Orchidaceae), at three elevations in Colorado. Botany & Mycology 2009, 25-29 July. Snowbird, UT.
2008	English, CT ² , and LP Bruederle . Pollination biology for the rare Colorado endemic, <i>Penstemon degeneri</i> . Botany 2008, 26-30 July. Vancouver, BC, Canada.
2008	Waterway, MJ, et al. Phylogeny and evolution in sedges (Cariceae, Cyperaceae): insights from molecular data. The Fourth International Conference on the Comparative Biology of the Monocotyledons, 11-15 August. Copenhagen, Denmark.
2007	Derieg, NJ ² , and LP Bruederle . A Phylogeny of <i>Carex</i> section <i>Ceratocystis</i> , emphasizing North American endemics. Botany 2007, 8-11 July. Chicago, IL.
2006	Deprenger-Levin, M ² , and LP Bruederle . High genetic diversity in a rare North American endemic, <i>Carex scirpoidea</i> subsp. <i>convoluta</i> . Botany 2006, 29 July -2 August. Chico State University, Chico, CA.
2006	Derieg, NJ ² , and LP Bruederle . Population genetic implications of post-glacial migration in <i>Carex cryptolepis</i> (Cyperaceae). Botany 2006, 29 July -2 August. Chico State University, Chico, CA.
2006	Derieg, NJ ² , and LP Bruederle . A hybrid origin for <i>Carex lutea</i> ? Annual Meeting of the Guild of Rocky Mountain Population Biologists, September. Niwot, CO.
2005	Sangaumphai, A ¹ , NJ Derieg ² , J Campbell ² , and LP Bruederle . Evolutionary potential in <i>Carex lutea</i> , a rare North American endemic. Botany 2005, 13-17 August. Austin, TX.
2005	Derieg, NJ ² , A Sangaumphai ¹ , and LP Bruederle . Evidence for loss of genetic diversity following post-glacial migration by <i>Carex cryptolepis</i> (Cyperaceae). Annual Meeting of the Guild of Rocky Mountain Population Biologists, September. Niwot, CO.
2005	Derieg, NJ ² , A Sangaumphai ¹ , and LP Bruederle . Evolutionary potential in <i>Carex lutea</i> , a rare North American endemic. Annual Meeting of the Guild of Rocky Mountain Population Biologists, September. Niwot, CO.
2004	Albertson, R ¹ , S Hill ¹ , D Reid ¹ , and LP Bruederle . Complex patterns of genetic variation in southwestern populations of <i>Carex</i> section <i>Bicolores</i> . Annual Meeting of the Guild of Rocky Mountain Population Biologists, September. Niwot, CO.
2003	Bruederle, LP . Fine-scale structure in a population of <i>Carex scirpoidea</i> subsp <i>scirpoidea</i> (Cyperaceae). Monocots III, 31 March – 4 April. Ontario, CA.
2001	Fayette, K ² , and LP Bruederle . <i>Eutrema penlandii</i> (Brassicaceae): To be or not to be. Annual Meeting of the Guild of Rocky Mountain Population Biologists, 28-30 September. Ghost Ranch, Abiqui, NM.
2001	Fayette, K ² , and LP Bruederle . Morphometric analyses support specific status for <i>Eutrema penlandii</i> Rollins (Brassicaceae). Botany 2001, 12-16 August. Albuquerque, NM.
2000	Fayette, K ² , and LP Bruederle . A preliminary look at the taxonomy of North American <i>Eutrema</i> (Brassicaceae): one species or two? Annual Meeting of the Guild of Rocky Mountain Population Biologists, 8-10 September. Rocky Mountain Biological Lab, Gothic, CO.
1999	Kuchel, SD ² , and LP Bruederle . Genetic diversity and structure in geographically marginal populations of <i>Carex viridula</i> Michx. (Cyperaceae). 25 th Annual Meeting of the Guild of Rocky Mountain Population Biologists, 17-19 September. Niwot, CO.

1999	Kuchel, SD ² , and LP Bruederle . Genetic diversity and structure in geographically marginal populations of <i>Carex viridula</i> Michx. (Cyperaceae). XVI International Botanic Congress Abstract 547. IBC, 1-7 August. Missouri Botanical Garden, St Louis.
1999	Yarbrough, SL ² , LP Bruederle , and SD Kuchel ² . Effect of dioecy on population genetic structure in <i>Carex scirpoidea</i> . XVI International Botanic Congress Abstract 554. IBC, 1-7 August. Missouri Botanical Garden, St Louis.
1999	Connors, BL ¹ , and LP Bruederle . Genetic differentiation of the diploid cranberry species comprising <i>Vaccinium</i> section <i>Oxycoccus</i> (Ericaceae). <i>Journal of the Colorado-Wyoming Academy of Sciences</i> 31: 8. Annual Meeting of the CWAS, 30 April. Greeley, CO.
1999	Kuchel, SD ² , and LP Bruederle . Genetic diversity and structure in geographically marginal populations of <i>Carex viridula</i> Michx. (Cyperaceae). <i>Journal of the Colorado-Wyoming Academy of Sciences</i> 31: 8-9. Annual Meeting of the CWAS, 30 April. Greeley, CO.
1999	Lindenberger, J.M ¹ , LP Bruederle , and Steve Yarbrough. Fine-scale genetic structure of populations of <i>Carex scirpoidea</i> subsp. <i>scirpoidea</i> . <i>Journal of the Colorado-Wyoming Academy of Sciences</i> 31: 9. Annual Meeting of the CWAS, 30 April. Greeley, CO.
1998	Kuchel, SD ² , LP Bruederle , and SL Yarbrough. Are growth form and effective breeding system correlated in <i>Carex</i> (Cyperaceae)? 24 th Annual Meeting of the Guild of Rocky Mountain Population Biologists, 21-23 September. Mountain Research Station, Ward, CO.
1998	Yarbrough, SL ² , LP Bruederle , and SD Kuchel ² . Effects of Dioecy on Population Genetic Structure in <i>Carex scirpoidea</i> Michx. (Cyperaceae). Annual Meeting of the Guild of Rocky Mountain Population Biologists, 21-23 Sept. Mountain Research Station, Ward, CO.
1998	Tomback, DF, LP Bruederle , and KK Kelly ² . Clark's Nutcracker on Cerro Potosi, Nuevo Leon: The ecology of a disjunct distribution. Annual Meeting of the Guild of Rocky Mountain Population Biologists, 21-23 Sept. Mountain Research Station, Ward, CO.
1997	Hardwick, RC ² , and LP Bruederle . Population genetic variation in the alpine endemic <i>Eutrema penlandii</i> (Brassicaceae) and its widespread relative <i>E. edwardsii</i> . Annual Meeting of the Society for the Study of Evolution, 14-18 June. Boulder, CO.
1997	Hardwick, RC ² , and LP Bruederle . Population genetic variation in <i>Eutrema penlandii</i> (Brassicaceae): Increasing understanding of population biology in an alpine endemic. Annual Meeting of the Guild of Rocky Mountain Population Biologists, September. Baca Campus of Colorado College, Crestone, CO.
1997	Kelly, KK ² , LP Bruederle , DF Tomback, and RC Hardwick ² . Bird-dispersed pines have relatively low levels of genetic diversity. Annual Meeting of the Guild of Rocky Mountain Population Biologists, September. Baca Campus of Colorado College, Crestone, CO.
1997	Hardwick, RC ² , and LP Bruederle . Population genetic variation in <i>Eutrema penlandii</i> (Brassicaceae): Increasing understanding of population biology in an alpine endemic. <i>Journal of the Colorado-Wyoming Academy of Sciences</i> 29(1). Annual Meeting of the CWAS, 27 April. University of Denver, CO.
1997	Hill, SE. ¹ , and LP Bruederle . Taxonomic composition of <i>Carex</i> section <i>Bicolores</i> (Cyperaceae) in the Colorado flora. <i>Journal of the Colorado-Wyoming Academy of Sciences</i> 29(1). Annual Meeting of the CWAS, 27 April. University of Denver, CO.

1997	Kelly, KK ² , LP Bruederle , DF Tomback, and RC Hardwick ² . Bird-dispersed pines have relatively low levels of genetic diversity. <i>Journal of the Colorado-Wyoming Academy of Sciences</i> 29(1). Annual Meeting of the CWAS, 27 April. University of Denver, CO.
1996	Bruederle, LP , DF Tomback, and R Hardwick ² . Population genetic structure in a bird dispersed pine, <i>Pinus albicaulis</i> (Pinaceae). <i>American Journal of Botany</i> 82(6): 117. AIBS, 6-10 August. Seattle, WA.
1996	Johnson, SA ² , LP Bruederle , and DF Tomback. Genetic evidence supports a hybrid origin for <i>Apocynum</i> x <i>floribundum</i> (Apocynaceae). <i>American Journal of Botany</i> 82(6): 117. AIBS, 6-10 August. Seattle, WA.
1996	Johnson, SA ² , LP Bruederle , DF Tomback, and SE. Hill ¹ . Genetic evidence supports a hybrid origin for <i>Apocynum</i> x <i>floribundum</i> (Apocynaceae). Annual Meeting of the Guild of Rocky Mountain Population Biologists, 20-21 September. Baca Campus of Colorado College, Crestone, CO.
1995	Bruederle, LP . Genetic differentiation of a North American endemic, <i>Carex cryptolepis</i> Mackenzie (Cyperaceae). <i>American Journal of Botany</i> 82(6): 117. AIBS, 6-10 August. San Diego, CA.
1995	Bruederle, LP , E Szuch, JR Moore ¹ , and L Robbins ¹ . A floristic analysis of the Portage Creek Basin. <i>Michigan Academician</i> 27. Annual Meeting of the Michigan Academy of Science, Arts, & Letters, 10-11 March. Ferris State University, Big Rapids.
1994	Brownell, L ¹ , LD Tippett ¹ , LP Bruederle , and KH Lavoie. Microbial flora of a prairie fen in southeastern Michigan. <i>Michigan Academician</i> 26: 227. Annual Meeting of the Michigan Academy of Science, Arts, & Letters, 11-12 March. Michigan State University, East Lansing.
1994	Moore, JR ¹ , MS Hugan ¹ , and LP Bruederle . Quantitative vegetation analysis of three prairie fens in southeastern Michigan. <i>Michigan Academician</i> 26: 228. Annual Meeting of the Michigan Academy of Science, Arts, & Letters, 11-12 March. Michigan State University, East Lansing.
1994	Sabourin, DJ. ¹ , AL Lang ¹ , B. Hernandez-Bautista ¹ , and LP Bruederle . Effectiveness of <i>Ipomoea tricolor</i> as a weed control. <i>Michigan Academician</i> 26: 230-31. Annual Meeting of the Michigan Academy of Science, Arts, & Letters, 11-12 March. Michigan State University, East Lansing.
1993	Hugan, MS ¹ , LP Bruederle , and N Vorsa. Genetic structure in diploid and polyploid cranberry populations (<i>Vaccinium</i> section <i>Oxycoccus</i>). <i>American Journal of Botany</i> 80(6): 153-4. AIBS, August 1-5, 1993. Iowa State University, Ames.
1993	Hugan, MS ¹ , LP Bruederle , and N Vorsa. Genetic structure in diploid and polyploid cranberry populations. <i>Michigan Academician</i> 25: 206. Annual Meeting of the Michigan Academy of Science, Arts, & Letters, 6-7 March. Western Michigan University, Kalamazoo.
1993	Hugan, MS ¹ , JM Dignan ¹ , LP Bruederle , and N Vorsa. 1993. Genetic variation in native populations of large fruited cranberry. North America Cranberry Research and Extension Workers Conference, 21-26 September. Vancouver, BC
1992	Wade, CA ¹ , SA Auten ¹ , and LP Bruederle . Floristic composition of the Perryville Fen. Annual Meeting of the Michigan Academy of Science, Arts, & Letters, 6-7 March. Central Michigan University, Mt Pleasant.

1990	Bruederle, LP, and N Vorsa. Systematic relationships among the diploid blueberry species (<i>Vaccinium</i> § <i>Cyanococcus</i> A Gray, Ericaceae). <i>American Journal of Botany</i> 77(6, part 2): 122. AIBS, 5-9 August 1990. Richmond, VA.
1989	Bruederle, LP , and N Vorsa. Population genetic structure in diploid blueberry, <i>Vaccinium</i> § <i>Cyanococcus</i> A Gray (Ericaceae). <i>American Journal of Botany</i> 76(6, part 2): 229. AIBS, 6-10 August 1989. Univ. Toronto, ONT.
1988	Bruederle, LP , N Vorsa, and JR Ballington. Allozyme variation and conservation of genetic variability in <i>Vaccinium</i> § <i>Cyanococcus</i> . International Symposium of Population Genetics and Conservation of Germplasm Resources. University of California, Davis.
1988	Bruederle, LP , and U. Jensen. Allozyme variability and subspecific delimitations in the <i>Carex flava</i> complex. <i>American Journal of Botany</i> 75(6, part 2): 162. AIBS, 14-18 August. University of California, Davis.
1987	Bruederle, LP . Allozyme variation in the genus <i>Carex</i> L International Botanical Congress Berlin, W. Germany.
1986	Bruederle, LP , and PS Manos ² . Conservation genetics of the rare sedge, <i>Carex mitchelliana</i> MA Curtis (Cyperaceae). <i>American Journal of Botany</i> 73: 663. AIBS, August 10-14, 1986. University of Massachusetts, Amherst.
	Six additional abstracts were published in the <i>American Journal of Botany</i> and <i>Bulletin of the New Jersey Academy of Science</i> from 1982 to 1985.

INVITED SYMPOSIA

2011	Starr, JR, LP Bruederle , M Luceño, C Brochmann, M Escudero, AL Hipp, S Martín-Bravo, W. Sawtell, T Villaverde, and K Bakke Westergaard. Phylogeography of bipolar and arctic-alpine Cariceae (Cyperaceae): origins, refugia and systematics. IBC 2011, 23-30 July 2011. Melbourne, Australia.
2007	Derieg, NJ ² , M Deprenger-Levin ² , and LP Bruederle . Speciation mid-stride: diverging lineages in glaciated environments. Botany 2007, 8-11 July 2007. Chicago, IL.
2002	Bruederle, LP . Allozyme variation in the genus <i>Carex</i> 15 years later. Sedges 2002, 6-8 June. Delaware State University, Dover.
1999	DF Tomback, and LP Bruederle . The evolution and ecology of bird-dispersed pines with reference to recent systematic developments. <i>Pine Phylogeny and Coevolution</i> , XVI International Botanic Congress Abstract 3.7.7. IBC, 1-7 August. Missouri Botanical Garden, St Louis.
1998	Bruederle, LP , K Krutovskii, DL Rogers, and D Politov. Genetic structure of whitebark pine populations. <i>In: Whitebark Pine Communities: Ecology and Restoration</i> , September Missoula, MT.
1998	Dekker, D, LP Bruederle , and G. Howe. Implications of genetic structure. <i>In: Whitebark</i> <i>Pine Communities: Ecology and Restoration</i> , September. Missoula, MT.
1997	Bruederle, LP . Quantifying nutrient, major cation, and vegetation gradients in a subalpine fen: a baseline study for long-term impacts of nitrogen deposition (principal investigator). Colorado Natural History Small Grants Symposium, Denver Museum of Natural History, CO.
1997	Hardwick, RC ² , and LP Bruederle . Population genetic variation in <i>Eutrema penlandii</i> : increasing understanding of population and reproductive biology in an alpine endemic.

Colorado Natural History Small Grants Symposium, Denver Museum of Natural History, CO.

INVITED SEMINARS

2016	LP Bruederle. CoNPS, Higher Education, and the Flora of Colorado. Annual Conference, Colorado Native Plant Society. Boulder, CO.
2016	LP Bruederle . The Bipolar Disjunction in <i>Carex</i> (Cyperaceae, Tribe <i>Cariceae)</i> . School of Biological Sciences, Illinois State University. Normal, IL.
2014	Pembrook, JW, ² and LP Bruederle . Systematics of <i>Carex</i> section <i>Scirpinae</i> , with insight into edaphic endemics. Norwegian Institute of Nature Research. Trondheim, NO.
2013	Bruederle, LP , and M Majack ² . A Popular Flora of Denver. Meet the Scientists, Denver Botanic Gardens. Denver, CO.
2011	Bruederle, LP . Biogeography of bipolar sedges: systematics and origins. University of Northern Colorado Biological Sciences Seminar Series. Greeley, CO.
2010	Bruederle, LP . Tales from the uttermost ends of the earth: Ushuaia to Barrow. Colorado Native Plant Society, Metro-Denver Chapter, Denver Botanic Gardens.
2008	Bruederle, LP. Genetic diversity and endemism in North American Carex § Ceratocystis. Canadian Museum of Nature. Ottawa, ON.
2008	Derieg, NJ ² , A Sangaumphai ¹ , and LP Bruederle . Evolutionary potential in <i>Carex lutea</i> : a rare North American endemic. University of Denver Biological Sciences Seminar Series. Denver, CO.
2006	Derieg, NJ ² , A Sangaumphai ¹ , and LP Bruederle . Evolutionary potential in <i>Carex lutea</i> : a rare North American endemic. University of Northern Colorado Biological Sciences Seminar Series. Greeley, CO.
2006	Proctor, J, LP Bruederle , S Olson, B Drumond, and CE English ² . <i>Penstemon degeneri</i> : A local endemic in the Wet Mountains, Pike national Forest. Annual Meeting of the Colorado Native Plant Society, 8-10 September. Colorado Spring, CO.
2005	Sangaumphai, A ¹ , NJ Derieg ² , J Campbell ² , and LP Bruederle . A tale of two sedges: Evolutionary potential in <i>Carex lutea</i> . Colorado Native Plant Society, Metro-Denver Chapter, Denver Botanic Gardens.
2000	Bruederle, LP . Flora of the Rampart Range. Colorado Native Plant Society, Metro-Denver Chapter, Denver Botanic Gardens.
1999	Bruederle, LP . Evolution of the cranberry: It's not just juice anymore. Colorado Native Plant Society, Denver Botanic Gardens, Denver, CO.
1997	Bruederle, LP . Systematic investigations of the large cranberry (<i>Vaccinium macrocarpon</i>). Department of Botany, University of Wyoming, Laramie, WY.
1997	Bruederle, LP . Evolution of the cranberry: It's not just juice anymore. Department of Biology, University of Colorado Denver, Denver, CO.
1994	Bruederle, LP . Genetic variation in diploid and polyploid cranberry populations (<i>Vaccinium</i> section <i>Oxycoccus</i>). Department of Biological Sciences, Oakland University, Rochester, MI.
1991	Bruederle, LP . Genetic variation in diploid blueberry: Diversity and evolution. Program in Applied Genetics and Evolution, Rutgers, the State University of New Jersey, New Brunswick.

1991	Bruederle, LP . Genetics and systematic relationships among the diploid blueberry species (<i>Vaccinium</i> section <i>Cyanococcus</i> , Ericaceae). Department of Biology, University of Michigan, Ann Arbor.
1990	Bruederle, LP . Population genetics, taxonomy, and evolution of diploid blueberry, <i>Vaccinium</i> section <i>Cyanococcus</i> (Ericaceae). Biology Department, University of Michigan-Flint.
1989	Bruederle, LP . Population genetic structure in diploid blueberry, <i>Vaccinium</i> section <i>Cyanococcus</i> (Ericaceae): applications for systematic research. Biology Department, Memphis State University, TN.
1989	Bruederle, LP . Systematics, population biology, and conservation genetics of a rare sedge, <i>Carex mitchelliana</i> MA Curtis (Cyperaceae). Department of Botany and Plant Pathology, University of Maine, Orono.
1988	Bruederle, LP . Allozyme variation in two <i>Carex</i> species aggregates (Cyperaceae). The Bailey Hortorium, Cornell University, Ithaca, NY.
1987	Bruederle, LP . Conservation genetics of <i>Carex mitchelliana</i> MA Curtis (Cyperaceae). Plant Ecology, Universität Osnabrück, West Germany.
1985	Bruederle, LP . The strange case of <i>Carex crinita</i> var <i>brevicrinis</i> : Biosystematic evidence of an obscure taxon. Torrey Botanical Club, The New York Botanical Garden.

COURSES TAUGHT

University of Colorado Denver (1994-2017) Plant Diversity (BIOL 3330/5330) Introduction to Evolution (BIOL 3435) Biological Systematics (BIOL 4050/5050) Biology of Woody Plants (4050/5050) Plant Evolutionary Biology (4050/5050) Systematic Botany (4315/5315) Plant Science (BIOL 4335/5335) University of Michigan – Flint (1990-1994) General Biology (BIO 111) Principles of Biology (BIO 113) Flora of Colorado (BIOL 4345/5345) Taxonomy and Ecology of Grassland Plants (4425/5425) Population and Evolutionary Genetics (BIOL 4494/5494) Desert Biology (BIOL 4910/5910) Graduate Seminar (6655)

Anatomy and Morphology of Plants (BIO 316) Horticultural Science (BIO 422) Plant Community Ecology

SERVICE

Integrative Biology

1994-present CU Denver/KHD Satellite Herbarium, Director

- 2002-2018
 RTP Subcommittee: A Charlesworth (2012, 2015), A Vajda (2012, 2015), L Hartley (2011, 2014), M Wunder (2011, 2013), M Greene (2005), T Roane (2002, 2005), G Cronin (2004), C Ferguson (2003), D Tomback (1994)
- 2016-2018 Awards, Scholarships, and Outreach Committee, Co-Chair
- 2016-2018 Annual Merit Review Committee, member
- 2012-2017 Curriculum Alignment and Scaffolding, participant
- 2009-2017 Biology Research Scholars and Research Associates Programs, faculty advisor
- 2011-2015 By-laws, coordinator
- 2010-2015 Space Committee, Chair (2013-15)
- 2010-2015 TT/CTT Faculty Mentoring Committee, member

- 2011-2014 Phi Rho Chapter (Tri Beta, the National Biological Honors Society), faculty advisor
- 2011-2012 Teaching Effectiveness Committee, member
- 2010-2012 Strategic Planning, Coordinator
- 1994-2013 Search Committees: IB Chair, chair (2010-2012); Systems Biologist (2011-2012); Evolutionary Geneticist (2008-2009); Molecular Geneticist (2005-2006); Administrative Assistant II (2004); Molecular Biologist (2003-2005); Administrative Assistant I (1999); Applied Ecologist (1997-1998); Microbiologist (1994-1995, 1998-1999)
- 2006-2010 Chair, Integrative Biology
- 1994-2010 CCD-MSCD-UCD Greenhouse, co-director
- 1999-2006 Associate Chair, Integrative Biology
- 1999-2007 Faculty mentoring: L. Johansen (2006-2007); M. Gonzalez (2000-2004); M. Greene (2003-2006); A. Larson (2003); T. Roane (1999-2006)
- 1996-2004 Teaching Evaluation Committee, member
- 1996-2000 Outcomes Assessment Committee, member
- 1995-2000 Biology Seminar Series, co-developer and coordinator
- 1994-2000 Graduate Admissions Committee, member
- 1995-1999 Recording Secretary, Department of Biology
- 1994-1999 Ad hoc Committee on Teaching, member
- 1994-1995 Ecology and Evolutionary Biology Discussion Group, co-organizer

Biology, University of Michigan - Flint

- 1990-1994 UM-F Herbarium, Director
- 1992-1994 Attending Graduate School in the Life Sciences, Discussion Group, organizer
- 1991-1994 Search Committees: Geneticist/Biostatistician (Chair, 1993-94); Lecturer (1991-92)
- 1992-1993 Biology Department Student Recognition Awards, coordinator
- 1992-1993 BIONEWSLETTER, organizer and editor
- 1991-1993 Biology Department Seminar Series, coordinator
- 1990-1992 Electrophoresis Lab, co-developer

College of Liberal Arts and Sciences

- 2009-2017 Math and Science Learning and Education Signature Area, Coordinator (2009-15); MSLE STEM Education Symposium, organizer (2012)
- 2012-2014 Dean's Advisory Committee (DAC), elected representative
- 2010-2012 Post-Tenure Review Committee (PTR), elected representative
- 2011 Academic Advisor Search Committee, member
- 2010 Academic Standards Committee, member
- 2010 Continuing and Professional Education Advisory Committee, member
- 2008 MINS Advisory Board, member
- 2007 Environome Signature Area, member
- 2006-2008 Budget Planning Committee, elected representative
- 2006-2007 Strategic Planning Committee, member
- 1996-2005 MSES Advisory Committee, member

- 2001-2004 Dean's Advisory Committee (DAC), elected representative
- 2002-2003 Acting Associate Dean
- 1998-2000 Academic Standards Committee, elected representative (1998-1999), Chair (1999-2000)
- 1999 Salary Grievance Committee, member
- 1997-1999 Admissions Committee, member

College of Liberal Arts and Sciences, University of Michigan-Flint

1992-1994 Planning Committee for "A Meeting of Minds:" a symposium examining scholarship through student-faculty collaboration

University of Colorado Denver

- 2011-2017 Faculty Assembly Disabilities Committee, Co-Chair (2012-2015), emeritus (2016-2017)
- 2015-2017 Selection Committee, Campus Award for Excellence in Teaching, member
- 2014-2017 Director, Undergraduate Research and Creative Activities, Office of Undergraduate Experiences
- 2012-2017 Faculty Assembly, CLAS elected representative
- 2008-2017 Center for Faculty Development, Lunch and Learn: Involving Students in Course-Based Research Experiences, organizer (2016-2017); Course-Based Research Experiences, organizer (2017); Lunch and Learn: Teaching Excellence, panel member (2015); CFD grant review (2008)
- 2013-2016 General Education Assessment Project: N&PS, Chair
- 2003-2016 Undergraduate Research Opportunity Program (UROP): Advisory Committee (2010-2016, 2003-2006); Grant Review Panel (2007); Chair (2003-2005)
- 2013-2015 High Impact Practice (HIP) Task Force, URCA Subcommittee, Chair (2015)
- 2010-2012 Selection Committee, Campus Award for Excellence in Service, member
- 2003-2011 Research and Creative Activities Symposium Planning Committee, Chair (2003-2005)
- 2006-2009 Undergraduate Council, elected representative
- 2005-2008 STEM Education Working Group, member
- 2008 OUE Experiential Learning Task Force, member
- 2007 Undergraduate Experiences Planning Committee, member
- 2007 Interview Panel, Science and Engineering Internship Advisor, member
- 2007 CASMIC Advisory Board, member
- 2006 AMP: Curriculum and Student Engagement, member
- 2005-2006 Experiential Learning Working Group, Co-Chair
- 2003-2005 First Year Experience Working Group, member
- 1999-2004 Faculty Assembly, representative
- 1996 "Demystifying the RTP Process" Organizing Committee, member

Auraria Campus

- 2011-2015 Faculty Advisory Committee to the Auraria Board (FACAB), elected representative, Chair (2013-14)
- 2013-2014 Auraria Board of Directors, FaCAB representative
- 1994-2013 Auraria Teaching and Research Greenhouse Committee, Co-Director

- 2008-2010 Art in Public Spaces Selection Committee, member
- 2007-2010 Science Building Planning Committee, member

University of Michigan-Flint

- 1993-1994 Project for Urban and Regional Affairs Review Board, member
- 1991-1992 College Appeals Panel, member

Profession

Referee of journal manuscripts: American Journal of Botany (1998, 1999, 2014, 2015, 2016), Belgian Journal of Botany (2008), Biochemical Systematics and Evolution (2015), BRIT (2013), Botany, formerly Canadian Journal of Botany (2000, 2006, 2008), Castanea (1999), Conservation Genetics (2016), Diversity and Distributions (1998), Journal of the American Society for Horticultural Science (1997), Journal of Heredity (1996), Madroño (1995, 1998, 2009, 2011), Molecular Ecology (2001), Molecular Phylogenetics and Evolution (1998), Norwegian Journal of Botany (2017), Physiologia Plantarum (2004), Plant Ecology (2001, 2014), Plant Systematics and Evolution (2009), Rhodora (1997, 2001, 2005), Sida (1996), Systematic Botany (1995, 2001, 2004, 2006-2008, 2011-2012), Taxon (2015); grant proposals: Agriculture and Agri-Food Canada, (2011), Colorado Native Plant Society (2003), Colorado Natural History Small Grants Program (1999), Idaho Board of Educators (1996), National Fish & Wildlife Foundation (2007), NSERC (2002), NSF (1990, 1998-1999, 2001- 2005, 2007, 2009), National Wetlands Research Council, Smithsonian Institution Scholarly Studies Program (1997); other scholarly manuscripts: Biological Flora of the British Isles (1996), Fourth International Symposium on Grass Systematics and Evolution (2004), High Five Symposium Proceedings (2010), Made for Each Other (1997), Sedges: Uses, Diversity, and Systematics of the Cyperaceae (2004), USDA FS Technical Conservation Assessments (2005), US F&WS (2005, 2006, 2013), Whitebark pine communities: ecology and restoration (2000).

Consulting

2010	US Department of the Interior Fish and Wildlife Service, Technical Expert	
2010	Rare Plant Conservation Initiative, Middle Park Conservation Action Plan, Metro-Denver CONPS Representative	
2005	Cole Middle School, faculty development and teacher training in plant science	
2005	USDA Forest Service Rocky Mountain Region Species Conservation Project. Review of technical conservation assessments	
1999	Joel Bond, M.S., Department of Biology, Northern Colorado University	
1994	Beverly Collins, PhD and Stephanie Fore, PhD. (Research Associates), Savannah River Ecology Lab, Aiken, SC.	
1994	Professor James C Parks, PhD, Department of Biology, Millersville University, POB 1002, Millersville, PA	
1990-1993	Professor Paul E Rothrock, PhD, Biology Department, Taylor University, Upland, IN	
1991-1992	Camille Barr (MS Candidate), Biology, University of Pennsylvania, Philadelphia	
1991-1992	Anne-Laure Jacquemart (PhD Candidate), Unité d'Écologie et de Biogéographie, Université Catholique de Louvain, Louvain-la-Neuve, Belgium	
1990-1992	Mike Orick (MS Candidate), Biology, Eastern Michigan University, Ypsilanti	
Committees or Boards		

2014-2017 American Society of Plant Taxonomists, Promotional Materials Committee, Chair (2015-16)

- 2009-2013 Colorado Rare Plant Technical Committee, member
- 2006-2013 Colorado Rare Plant Conservation Initiative, member
- 2011 BioSynC: Coordinating work on regional and global diversity of *Carex* (Cyperaceae), participant
- 2007-2009 Denver Botanic Gardens, Research Group, member
- 1997-2009 Aquilegia, Newsletter of the Colorado Native Plant Society, editor (2008-2009, 1997-2002)
- 2005-2008 Colorado Native Plant Society, Board of Directors, President (2005-07)
- 2006-2007 Colorado Rare Plant Technical Committee, member
- 2005-2006 American Society of Plant Taxonomists, Honors and Awards Committee, member
- 2000-2003 Program Chair, Colorado Native Plant Society: Metro-Denver Chapter
- 1997-2002 Subject Editor, Journal of the Torrey Botanical Society
- 1997-2002 Publications Committee, Colorado Native Plant Society, Co-Chair
- 1996-2000 Membership and Appraisal Committee, Botanical Society of America, Chair (1997-2000)
- 1996-2000 Board of Directors, Colorado Native Plant Society
- 1993-1995 Botany Section, Michigan Academy of Science, Arts, and Letters, Vice Chair (1993-1994), Chair (1994-1995)

Other Professional Activities (scientific visits, observation programs, conference planning, etc.)

- 2018 CURE Mobile Institute, co-organizer
- 2016 iDigBIO, Ecological Niche Modeling Workshop, organizer
- 2000-2016 Colorado Native Plant Society Workshops and Field Trips: Sedges of Colorado (2008-2009, 2010, 2012, 2015); Rushes (2011-2012); *Penstemon* (2008, 2016); Gymnosperms (2006); Introduction to the genus *Carex* (2000); Flora of the Rampart Range (2000-2001)
- 2005-2016 Public lectures: Denver Botanic Gardens, Meet the Scientists (2013); Colorado Native Plant Society, Annual Meeting (2006, 2016); Colorado Native Plant Society, Metro-Denver Chapter (2005, 2010)
- 2012 University of Northern Colorado, performance review
- 2010 Annual Meeting Planning Committee, Colorado Native Plant Society: Metro-Denver Chapter, member
- 2010 Colorado Native Plant Society, High Elevation Fen Reconnaissance, participant
- 2009 Colorado STEM Network, member
- 2008 Colorado Native Plant Society, workshop, coordinator
- 2003 Annual Meeting Planning Committee, Colorado Native Plant Society: Metro-Denver Chapter
- 1997 Annual Meeting Planning Committee, Colorado Native Plant Society: Metro-Denver Chapter
- 1994 Colorado Native Plant Society, Sedge Workshop, coordinator

Community, County, State, and Federal

- 2010 Denver School of Science and Technology, Senior Project Panel, Panelist (2008, 2010)
- 2007-2009 Denver School of Sciences and Technology, Internship supervisor
- 2009 University of Ottawa, Alex MacPhail, undergraduate research supervisor

2007 CCA Bioscience Wired Project

- 1993 Audubon Workshop and Hike, Winter Weeds, Genesee CO, MI
- 1992-1994 "Day-on-the-Job" (Flint Business and Education Coordinating Council), contact person
- 1991-1992 "Citizens Committee Project to Dave Tyrone Hills," Livingston CO, MI, consultant

1990-present Contact person for public inquiries pertaining to botany and horticulture.

RECOGNITIONS, HONORS, AND COMPETITIVE AWARDS

Excellence in Teaching Award, College of Liberal Arts and Sciences, University of 2015 **Colorado Denver** 2013 Exemplary Mentor, The Quality of Life Research Center, Claremont Graduate University 2010 Special Merit Award, Colorado Native Plant Society 2010 Outstanding Service Award, University of Colorado Denver 2010 Outstanding Service Award, College of Liberal Arts and Sciences, University of Colorado Denver 2002 Special Merit Award, Colorado Native Plant Society 2000 Faculty Fellowship, University of Colorado Denver 1996 Summer Stipend, College of Liberal Arts and Sciences, University of Colorado Denver 1993 Special Merit Award for Teaching and Service, University of Michigan - Flint 1987 Grants for Young Botanists, XIV International Botanical Congress

GRADUATE STUDENTS (THESIS OR PROJECT ADVISOR)

A Dignan (MSES, candidate), N Bard (MS, candidate), G Barron (MIS, 2018), J Mastin (MS, 2017); M Majack (MS, 2014), JW Pembrook (MS, 2014); D Wilson (MIS, 2009); CT English (MS, 2008); NJ Derieg (MS, 2007), SJ Weil (MS, 2007), M Deprenger-Levin (MS, 2007); KF Regier (MA, 2003), JP Riser II (MA, 2003); T Grant (MS, 2002); I McCune (MA, 2001); SL Yarbrough (MA, 2000); K Fehlberg (MS, 1999); S Kuchel (MS, 1999), D Wright (MS, 1999), D Luke (MS, 1998), RC Hardwick (MA, 1997), SA Johnson (MA, 1997), J Wilson (MS, 1997).

GRADUATE STUDENTS (COURSEWORK ADVISOR)

O Nataa (MA, 2001), E Schoedl (MA, 1997), M Tracy (MA, 1996).

GRADUATE STUDENTS (COMMITTEE MEMBER)

M Lea (MS, 2017), C DeMasters (MS, 2017), S Smolinski (MS, 2010), S Blakeslee (MS, 2010), H Depres (MS, 2010), L Barringer (MS, 2009), E Lhotka Pruett (MS, 2007), R Powell (MS, 2007), C Winther (MS, 2006), S Raines (MS, 2005), K Bay (MA, 2001), P Jambal (MA, 2001), S McKinney (MA, 2002), S Breindel (MA, 2000), G Davis (MA, 2000), J Dupree (MS, 2000), S Samano (BS, 2001), J Calanni (MS, 1998), P Carr (MS, 1998), S Gordon (MA, 1999), M Nutzman (MA, 1998), J Godt (MS, 1998), M Tajik (MS, 1998), E Berg (MS, 1997), L Dongkyu (MS, 1997), C Forbes (MS, 1997), A Herb (MS, 1996), G Litus (MS, 1996), S Peck (MS, 1998), M Powell (MS, 1996), J Williams (MS, 1997), M Woods (MA, 1995)

UNDERGRADUATE RESEARCH SCHOLARS (RESEARCH ADVISOR)

K Estes (BS, 2018), T Ting (BS, 2010), M McAllister (BS, 2008), A Schultz (BS, 2008), M Jorgensen (BS, 1999), J Lindenberger (BS, 1999), R Albertson (BS, 1998), B Connors (BS, 1997), S Hill (BS, 1997), M Van Hofwegen (BS, 1997)

INDIVIDUAL INSTRUCTION: INDEPENDENT STUDY AND INTERNSHIP

Since receiving tenure, I have mentored 38 undergraduates completing 122 crs. of Independent Study (BIOL 3840, 4840) and 14 graduate students completing 28 crs. of Independent Study (BIOL 5840). I

have also supervised approximately 17 undergraduates completing 38 crs. of Internship (BIOL 3939) and seven graduate students completing 23 crs. of Internship (BIOL 5939).

PROFESSIONAL ORGANIZATIONS

American Society of Plant Taxonomists, Botanical Society of America, California Botanical Society, Council for Undergraduate Research, International Association for Plant Taxonomists, National Science Teachers Association, New Mexico Native Plant Society, Southern Appalachian Botanical Society, Society for the Preservation of Natural History Collections, Society of Herbarium Curators, Torrey Botanical Society

OTHER INDICATORS OF SCHOLARSHIP

Research Support (see also Teaching Support)

- Bruederle, LP. University of Colorado Denver (CLAS Dissemination Grant), Botany 2017, Fort Worth. \$1000.
 Westergaard KB (PI) with HK Stengien A Widmer B Holderegger and LP Bruederle
- 2014-18 Westergaard, KB (PI), with HK Stenøien, A Widmer, R Holderegger, and **LP Bruederle** (Collaborators). Post-doctoral Research Fellowship. Towards conservation genomics: studying 'migration of adaptation' in a threatened non-model plant species. The Research Council of Norway. 4,969,000NOK, ~U\$800,000 (no direct or indirect costs).
- 2011-17 Kimbrough, DR, **LP Bruederle**, L Hartley, RM Talbot, and BS Wee. NSF Robert Noyce Teacher Scholarship Program. Promoting Undergraduate Licensure in Science Education (PULSE). National Science Foundation. \$1,199,996.
- 2011-12 **Bruederle, LP**. University of Colorado Denver (CRISP Grant). Systematics and historical biogeography of *Carex* section *Scirpinae* (Cyperaceae). College of Liberal Arts and Sciences. \$5000.
- 2011 **Bruederle, LP**. University of Colorado Denver (CLAS Dissemination Grant), International Botanical Congress 2011, Melbourne. \$2000.
- 2010-15 **Bruederle, LP**. US Fish & Wildlife. Systematic investigations of the Federally Threatened *Eutrema penlandii* emphasizing the conservation of genetic and species diversity. \$29,387.
- 2008 **Bruederle, LP**. University of Colorado Denver (Faculty Development), Evolution³. \$10,000.
- 2005 **Bruederle, LP**. University of Colorado Denver (SUMPs), Evolution in the genus *Carex*. \$2000.
- 2002 **Bruederle, LP**. University of Colorado Denver (Faculty Development), Genetic diversity in three North American endemics. \$4990.
- 1998-2000 **Bruederle, LP**, and DF Tomback. University of Colorado Denver (Global Change and Environmental Quality Program), Vulnerability of Marginal Populations to Environmental Perturbation. \$7779.
- 1997 **Bruederle, LP**. Colorado Native Plant Society, Population genetic variation in *Eutrema penlandii*: Increasing understanding of population and reproductive biology in an alpine endemc. \$500.
- 1997-1998 **Bruederle, LP**. Colorado Natural History Small Grants Program, Assessing population subdivision in *Eutrema penlandii* using the RAPD technique. \$1500.
- 1997-1998 **Bruederle, LP**, and DF Tomback. University of Colorado Denver (Faculty Development), The evolution of bird-dispersed pines in the *Pinus ayachuite - P. strobiformis - P. flexilis* complex. \$4600.

1995-1997	Bruederle, LP. The Nature Conservancy (Katherine Ordway Research Endowment Grant), Quantifying nutrient, major cation, and vegetation gradients within a subalpine fen: a baseline study for long-term impacts of nitrogen influx. \$4228.
1995-1997	Bruederle, LP. Colorado Natural History Small Grants Program, Quantifying nutrient, major cation, and vegetation gradients within a subalpine fen: a baseline study for long-term impacts of nitrogen influx. \$2000.
1995-1997	Bruederle, LP. Colorado Natural History Small Grants Program, Population genetic variation in <i>Eutrema penlandii</i> : Increasing understanding of population and reproductive biology in an alpine endemic. \$2000.
1995-1996	Bruederle, LP , and DF Tomback. American Philosophical Society (Michaux Fund), Population genetic structure in whitebark pine: A rapidly declining subalpine species. \$3600.
1995	Bruederle, LP , and DF Tomback. University of Colorado Denver (Faculty Development), Population genetic structure in whitebark pine: a rapidly declining subalpine species. \$4982.
1995	Bruederle, LP. US Forest Service, A comparative floristic analysis of montane forest vegetation in response to an environmental perturbation. \$5000.
1994	Bruederle, LP. City of Portage, MI (Research Contract), Natural Features Inventory of Portage Creek Basin. \$30,000.
1994	Bruederle, LP. University of Michigan - Flint (Research Initiatives Grant), Genome Evolution in Cranberry. \$5861.
1993	Bruederle, LP. Michigan Natural Features Inventory, Lansing (Research Grant), Three Prairie Fens in Southern Michigan. \$4500.
1992	Bruederle, LP. University of Michigan - Flint (Research Partnership Grant), Genetic Variation in North American <i>Vaccinium</i> section <i>Oxycoccus.</i> \$3000.
1991	Bruederle, LP. University of Michigan - Flint (Faculty Development Grant), Evolution of North American <i>Carex</i> section <i>Ceratocystis</i> . \$4971.
1989	Bruederle, LP , N Vorsa, and J Ballington. USDA, Agriculture Research Service (Plant Exploration Grant), Blueberry Germplasm. \$8982.
1985	Bruederle, LP. Edna Bailey Sussman Fund, Rutgers, University Foundation.
1984	Bruederle, LP. Sigma XI, the Scientific Research Society, Grants-in-Aid of Research.
1983	Bruederle, LP. Award for Graduate Student Research from the Andrew's Fund, Torrey Botanical Club, The New York Botanical Garden.
1981	Bruederle, LP. Fund for Graduate Student Dissertation Research Support, Rutgers, the State University.
1979	Bruederle, LP. Fund for Graduate Student Dissertation Research Support, Rutgers, the State University.
Teaching Su	oport
2010	 Dispan ² A. Colorado Mountain Club Foundation (Academic Followshin). The

- 2018 Dignan², A. Colorado Mountain Club Foundation (Academic Fellowship), The phytogeography of the Cordilleran and eastern woodland-prairie floristic elements in the Front Range, Colorado (**faculty advisor**). \$900.
- 2017 Bard², N. American Society of Plant Taxonomists (Travel Grant Award), Botany 2017, Fort Worth, TX (**faculty advisor**). \$300.

2017	Bard ² , N. American Society of Plant Taxonomists (Research Grants for Graduate Students), Ecology, evolution, and systematics of <i>Carex scirpoidea</i> subsp. <i>convoluta</i> , a narrow edaphic endemic: Implications for conservation (faculty advisor). \$800.
2017	Bard ² , N. Botanical Society of America (Graduate Student Research Award), The diversity of adaptation: A population genomic study of two disjunct conspecific plant taxa (faculty advisor). \$500.
2017	Estes ¹ , K. University of Colorado Denver (Undergraduate Research Opportunity Program), Investigating evidence of myrmecochory in <i>Penstemon gracilis</i> Nutt. (Plataginaceae) (faculty advisor). \$500.
2017	Mastin, JE. American Society of Plant Taxonomists (Travel Grant Award), Botany 2017, Fort Worth, TX (faculty advisor). \$300.
2015	Worah ² , M, J La ² , and LP Bruederle . Colorado Native Plant Society (John W Marr Fund), The Taxonomy of <i>Physocarpus</i> on the Colorado Eastern Slope. \$925.
2014	Majack ² , M. US Forest Service Intermountain Region, The Distribution of Potamogetonaceae in Colorado (faculty advisor). \$1000.
2014	Majack ² , M. Society of Herbarium Curators (Student Research Grant), The Distribution of Potamogetonaceae in Colorado (faculty advisor). \$500.
2014	Pembrook ² , JW, III. American Society of Plant Taxonomists (Travel Grant Award), Botany 2013, New Orleans, LA (faculty advisor). \$335.
2013	Pembrook ² , JW, III. University of Oklahoma Biological Station, Harley P Brown Scholarship (faculty advisor). \$300.
2013	Majack ² , M. Colorado Native Plant Society (John W Marr Fund), The Distribution of Potamogetonaceae in Colorado (faculty advisor). \$1118.
2013	Pembrook ² , JW, III. American Society of Plant Taxonomists (Travel Grant Award), Botany 2013, New Orleans, LA (faculty advisor). \$335.
2012	Hartley ¹ , LA. Tri Beta, National Biological Honor Society (Research Award), Genotypic Identification of <i>Eutrema wasabi</i> Cultivars using Inter-Simple Sequence Markers (ISSR) (faculty advisor). \$500.
2012	Hartley ¹ , LA. University of Colorado Denver (Undergraduate Research Opportunity Program), Genotypic Identification of <i>Eutrema wasabi</i> Cultivars using Inter-Simple Sequence Markers (ISSR) (faculty advisor). \$1000.
2012	Majack ² , M. Colorado Garden Show Scholarship (faculty advisor). \$10,000.
2011	Hartley, L, LP Bruederle , D Kimbrough, and Robert Talbot. University of Colorado Denver (CLAS ACT), Developing a Learning Assistants Program to Promote Learning in Large Introductory Science Courses. \$3500.
2011	Bourret ¹ , T. University of Colorado Denver (Undergraduate Research Opportunity Program), Systematics of <i>Carex magellanica</i> (faculty advisor). \$1141.
2011	Bourret ¹ , T. Tri Beta, National Biological Honor Society (Research Award), Systematics of <i>Carex magellanica</i> (faculty advisor). \$500.
2010	Ting ¹ , T. University of Colorado Denver (Undergraduate Research Opportunity Program), Genetic Differentiation Within the Genus <i>Penstemon</i> (faculty advisor). \$1141.
2009	Saunders ¹ , SJ, and R Adams ¹ . University of Colorado Denver (Undergraduate Research Opportunity Program), Population structure in a rare Colorado endemic (faculty advisor). \$2300.

2008	Schultz ¹ , A. University of Colorado Denver (Undergraduate Research Opportunity Program), Reproductive biology in a rare Colorado endemic (faculty advisor). \$1150.
2008	Bruederle, LP . University of Colorado Denver (RMMS-SMP), Teaching Innovation Fellow: Not so near peer mentoring (PI). \$2500.
2004	Powell ² , R, J Campbell ¹ , and J Rekstad ¹ . University of Colorado Denver (Undergraduate Research Opportunity Program), DNA sequence variation in populations of <i>Carex lutea</i> LeBlond, a rare endemic (faculty advisor). \$2700.
2004	Sangaumphai ¹ , A, and B Vang ¹ . University of Colorado Denver (Undergraduate Research Opportunity Program), Genetic diversity and structure in populations of <i>Carex lutea</i> LeBlond, a rare endemic (faculty advisor). \$2000.
2000	Lindenberger ¹ , J. University of Colorado Denver (Undergraduate Research Opportunity Program), Fine scale structure in populations of <i>Carex scirpoidea</i> subsp. <i>scirpoidea</i> (Cyperaceae) (faculty advisor). \$1150.
1998	Jorgenson ¹ , M. University of Colorado Denver (Undergraduate Research Opportunity Program), Frequency of unreduced gametes in <i>Vaccinium macrocarpon</i> (faculty advisor). \$1150.
1997	Albertson ¹ , R, and D Reid ¹ . University of Colorado Denver (Undergraduate Research Opportunity Program), Genetic Differentiation of <i>Carex aurea</i> and <i>C hassei</i> (Cyperaceae) in North America (faculty advisor). \$2000.
1996	Hill ¹ , S. University of Colorado Denver (Undergraduate Research Opportunity Program), Genetic variation and dispersal mechanism in <i>Carex aurea</i> and <i>C hassei</i> (Cyperaceae) (faculty advisor). \$1150.
1995	Phillips ¹ , S. University of Colorado Denver (Undergraduate Research Opportunity Program), A comparative floristic analysis of montane forest vegetation in response to an environmental perturbation (faculty advisor). \$3000.
1993	Bruederle, LP . University of Michigan – Flint (Library Acquisitions Grant, Anatomy and Morphology of Plantss. \$1875.
1993	Bruederle, LP . University of Michigan – Flint (Library Acquisitions Grant, Post- Baccalaureate Training in the Life Sciences. \$265.
1992	Bruederle, LP . University of Michigan – Flint (Library Acquisitions Grant, Plant systematics and community ecology. \$2250.