PUBLICATIONS – Victoria L Sork

- Sork VL and L Waits. 2010. Landscape genetic contributions to molecular ecology approaches, insights, and future potential. Molecular Ecology 19: 3489–3495.
- Sork VL, FW Davis, R Westfall, A Flint, M Ikegami, HF Wang, and D Grivet. 2010. Gene movement and genetic association with regional climate gradients in California valley oak (*Quercus lobata* Née) in the face of climate change. Molecular Ecology 19: 3806–3823.
- Waits L, VL Sork (2010). (Co-editors). Special Issue on Landscape Genetics. Molecular Ecology 19
- Wang, H, VL Sork, Wu J, Ge J. 2010. Effect of patch size and isolation on mating patterns and seed production in an urban population of Chinese Pine (*Pinus tabulaeformis* Carr.). Forest Ecology and Management, in press.
- Werth S and VL Sork. 2010. Identity and genetic structure of the photobiont of the epiphytic lichen Ramalina menziesii on three oak species in southern California. American Journal of Botany 97:821-830.
- Scofield DG, VL Sork, and PE Smouse 2010. Influence of acorn woodpecker social behaviour on transport of Coast Live Oak (*Quercus agrifolia*) acorns in a southern California oak savannah. Journal of Ecology 98: 561-572.
- Karubian J, VL Sork, T Roorda, R. Durães, and TB Smith. 2010. Destination-based seed dispersal homogenizes genetic structure of a tropical palm. Molecular Ecology 19:1743-1745.
- Grivet D, Robeledo-Arnuncio JJ, Smouse PE, and VL Sork. 2009. Relative contribution of contemporary pollen and seed dispersal to the neighborhood size of seedling population of California valley oak (*Quercus lobata*, Née). Molecular Ecology 18:3967-3979
- Pluess AR, VL Sork, B Dolan, FW Davis, K Merg, D Grivet, J Papp, and PE Smouse. 2009. Short distance dispersal patterns of pollen in California valley oak, *Quercus lobata* L. Forest Ecology and Management 258: 735-744
- Sork VL, FW Davis, and D Grivet. 2009. Incorporating genetic information into conservation planning for California valley oak. Pages 497-509 in Merenlender, Adina; McCreary, Douglas; Purcell, Kathryn L., tech. eds. Proceedings of the sixth California oak symposium: today's challenges, tomorrow's opportunities. Gen. Tech. Rep. PSW-GTR-217. Albany, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station.
- Werth S and VL Sork. 2008. Local genetic structure in the North American epiphytic lichen, Ramalina menziesii Tayl. (Ramalinaceae). Amer. J. Botany 95: 568-576.
- Grivet, D, VL Sork, RD Westfall, and FW Davis. 2008. Conserving the evolutionary potential of California valley oak (*Quercus lobata* Née): a multivariate genetic approach to conservation planning. Molecular Ecology 17:139-156.
- Wang BC, VL Sork, MT Leong, and TB Smith. 2007. Repercussions of hunting mammals on seed removal and dispersal of the Afrotropical tree, *Antrocaryon klaineanum* (Anacardiaceae). *Biotropica* 39:340-347. (Invited paper to VL Sork for special issue).
- Fernandez-M JF, and VL Sork. 2007. Genetic variation in fragmented forest stands of the Andean oak *Quercus humboldtii* Bonpl. (Fagaceae). Biotropica 39:72-78.
- Austerlitz F, C Dutech, PE Smouse, F Davis, and VL Sork 2007. Estimating anisotropic pollen dispersal: a case study in *Quercus lobata. Heredity*, 99:193-204
- Fernández-M JF, J Idol, and VL Sork. 2006. Mating patterns of black oak *Quercus velutina* (Fagaceae) in a Missouri oakhickory forest. J. Heredity 97: 451-455
- Grivet, D, M-F Deguilloux, RJ Petit, and VL Sork. 2006. Contrasting inter-continental patterns of historical colonization in white oaks. *Molecular Ecology* 15: 4085-4093.
- Sork VL and PE Smouse. 2006. Genetic analysis of landscape connectivity in tree populations. Landscape Ecology 21: 821-836.
- Valbuena-Carabaña M, SC González-Martínez, VL Sork, C Collada, A Soto, PG Goicoechea, and L Gil. 2005. Gene flow and hybridisation in a mixed oak forest [*Quercus pyrenaica* Willd. and *Q. petraea* (Matts.) Liebl.] in central Spain. *Heredity* 87: 680–690
- Fernandez-M JF and VL Sork. 2005. Mating patterns in a subdivided population of the Andean oak (*Quercus humboldtii* Bonpl., Fagaceae). J. Heredity 96: 635-643.
- Grivet D, PE Smouse, and VL Sork. 2005. A novel approach to an old problem: tracking dispersed seeds. *Molecular Ecology* 14: 3585–3595
- Dutech C, VL Sork, AJ Irwin, PE Smouse PE, and FW Davis. 2005. Gene flow and fine-scale genetic structure in a wind pollinated tree species, *Quercus lobata* (Fagaceae). *American Journal of Botany* 92: 252-261.
- Sork VL, RG Dyer, PE Smouse, VJ Apsit, and RD Westfall. 2005. A two-generation analysis of pollen structure in flowering dogwood (*Cornus florida* L.) in the Missouri Ozarks. *American Journal of Botany* 92: 262-271
- Smouse PE and VL Sork. 2005. Measuring pollen flow in forest trees: A comparison of alternative approaches. *Forest Management and Ecology* 197: 21-38.
- Dyer RJ, RD Westfall, PE Smouse, and VL Sork. 2004. Two-generation analysis of pollen flow across a landscape V: A stepwise approach for extracting factors contributing to pollen structure. *Heredity* 92: 204-211.

- Austerlitz, F, CW Dick, CC Dutech, EK Klein, S Oddou-Muratoria, PE Smouse, and VL Sork, 2004. Using genetic markers to estimate the pollen dispersal curve. Molecular Ecology 13: 937-954.
- Liebhold A, VL Sork, M Peltonen, W Koenig, O Bjørnstad, R Westfall, J Elkinton, J Knops. 2004. Within-population spatial synchrony in mast seeding of North American oaks. *Oikos* 104:154-164.
- Buonoccorsi JP, J Elkinton, W Koenig, R Duncan, D Kelly and VL Sork. 2003. Measuring mast seeding behavior: relationships among population variation, individual variation and synchrony. *Journal of Theoretical Biology* 224:107-114.
- Hochwender CG, VL Sork, and RJ Marquis, 2003. Fitness consequences of herbivory on *Quercus alba*. American Midland Naturalist 150:246-253.
- Koenig WD, D Kelly, VL Sork, RP Duncan, JS Elkinton, MS Peltonen, and RD Westfall. 2003. Dissecting components of population-level variation in seed production and the evolution of masting behavior. *Oikas* 102: 581-591.
- Kelly D and VL Sork. 2002. Mast seeding in perennial plants: why, how, where? *Annual Review of Ecology, Evolution and Systematics* 33: 427-447.
- Sork VL, FW Davis, PE Smouse, VJ Apsit, RJ Dyer, J Fernandez-M, and B Kuhn. 2002. Pollen movement in declining populations of California Valley Oak, *Quercus lobata*: Where have all the fathers gone? *Molecular Ecology* 11: 1657-1668.
- Sork VL, RJ Dyer, FW Davis, PE Smouse. 2002. Mating system in California Valley oak, *Quercus lobata* Neé. Pp 427-440 *in* Standiford, R.B. McCreary, D; Purcell, K.L. (technical coordinators). Proceedings of the Fifth Symposium on Oak Woodlands: Oaks in California's Changing Landscape. 2001 October 22-25; San Diego, CA. Gen. Tech. Rep. PSW-GTR-184. Albany, CA: Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture; 427-444.
- Dyer RJ and VL Sork. 2001. The effects of autocorrelated patterns among adults on pollen pool differentiation. Pages 89-93 *in* B Degen, MD Loveless, and A Kremer (eds). Modeling and experimental research on genetic processes in tropical and temperate forests. Embrapa Amazonia Oriental. Belém PA, Brazil.
- Apsit, VJ, VL Sork, and RJ Dyer. 2002. Patterns of mating in an insect-pollinated tree species in the Missouri Ozark Forest Ecosystem Project (MOFEP). Pages 213-227 *in* Shifley, R Stephen and JM Kabrick (eds.). Proceedings of the Second Missouri Ozark Forest Ecosystem Symposium: Post-treatment results of the landscape experiment, 2000 October 17-18, St. Louis, MO. Gen. Tech. Rep. NC-227. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station: 228 pp.
- Gram WK, VL Sork, RJ Marquis, RB Renken, RL Clawson, J Faaborg, DK Fantz, J LeCorff, J Lill and PA Porneluzi.
 2002. Evaluating the effects of ecosystem management: a case study in a Missouri Ozark Forest. P. 227 *in* Shifley, R Stephen, and JM Kabrick, (eds.). Proceedings of the Second Missouri Ozark Forest Ecosystem Symposium: Post-treatment results of the landscape experiment, 2000 October 17-18, St. Louis, MO. Gen. Tech. Rep. NC-227. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Forest Experiment Station: 228 pp. (Abstract reprinted from below).
- Gram WK, VL Sork, RJ Marquis, RB Renken, RL Clawson, J Faaborg, DK Fantz, J LeCorff, J Lill and PA Porneluzi. 2002. Evaluating the effects of ecosystem management: a case study in a Missouri Ozark Forest. *Ecological Applications* 11: 1667-1679.
- Dyer, RJ and VL Sork. 2001. Pollen pool heterogeneity in shortleaf pine Pinus echinata Mill. Molecular Ecology 10: 859-866.
- Pérez-Salicrup DR, VL Sork and FJ Putz. 2001. Lianas and trees in a Liana forest of Amazonia Bolivia. *Biotropica* 33:34-47.
- Gram WK and VL Sork. 2001. Association between environmental and genetic heterogeneity in forest tree populations. *Ecology* 82:2012-2021.
- Smouse PE, RJ Dyer, RD Westfall, and VL Sork. 2001. Two generation analysis of pollen flow across a landscape. I. Male gamete heterogeneity among females. *Evolution* 55:260-271.
- Fernández JF, VL Sork, G Gallego, J López, A Bohorqes, J Tohme. 2000. Cross-amplification of microsatelite loci in a neotropical *Quercus* species and standardization of DNA extraction from mature leaves dried in silica gel. *Plant Molecular Biology Reporter* 18: 97.
- Gram WK and VL Sork. 1999. Population density as a predictor of genetic variation for woody plant species. *Conservation Biology* 13: 1079-1087.
- Sork VL, J Nason, DR Campbell, and JF Fernández. 1999. Landscape approaches to historical and contemporary gene flow in plants. *Trends in Ecology and Evolution* 14: 219-224.
- Sork VL, DR Campbell, RJ Dyer, JF Fernández, J Nason, R Petit, PE Smouse, and E Steinberg. 1998. Proceedings from a workshop on gene flow in fragmented, managed, and continuous populations. National Center for Ecological Analysis and Synthesis Research Paper No. 3: http://www.nceas.ucsb.edu/papers/geneflow.

- Sork VL, AL Koop, MA de la Fuente, P Foster, and JA Raveill. 1997. Patterns of genetic variation in woody plant species in the Missouri Ozark Forest Ecosystem Project (MOFEP). Pp. 233-249 *in* BL Brookshire and SR Shifley (Eds). Report of the Missouri Forest Ecosystem Project. General Technical Report, USDA Forest Service.
- Gram WK, VL Sork, and RJ Marquis. 1997. Synthesis and integration of pretreatment results from the Missouri Ozark Forest Ecosystem Project. Pp. 356-369 *in* BL Brookshire and SR Shifley (Eds). Report of the Missouri Forest Ecosystem Project. General Technical Report, USDA Forest Service.
- Foster PF and VL Sork. 1997. The population and genetic structure of the West African rain forest liana, Ancistrocladus korupensis (Ancistrocladaceae). American Journal of Botany 84:1078-1091.
- Schellhorn N and VL Sork. 1997. Impact of weed diversity on insect population dynamics and crop yield in collards *Brassica oleraceae* (Brassicaceae). *Oecologia* 111: 233-240.
- Sork VL. 1996. Quantitative genetics, feminism, and evolutionary theories of gender differences. Pp. 86-116 in PA Gowaty (Ed.), Feminism and Evolutionary Biology. Chapman and Hall Publishers, New York.
- Loiselle BA, VL Sork, and C Graham. 1995. Comparison of genetic variation in bird-dispersed shrubs of a tropical wet forest. *Biotropica* 27:487-494.
- Loiselle BA, VL Sork, J Nason, and C Graham. 1995. Spatial genetic structure of a tropical understory shrub, Psychotria officinalis (Rubiaceae). American Journal of Botany 82:1420-1425.
- Stowe K, VL Sork, and A Farrell. 1994. Effects of maternal microhabitat and water availability on the phenotypic expression of resistance to herbivores in northern red oak, *Querus rubra* L. Oecologia 100: 309-315.
- Sork VL, K Stowe, and C Hochwender. 1993. Evidence for local adaptation in closely adjacent subpopulations of Northern red oak (*Quercus rubra* L.) expressed as resistance to leaf herbivores. *American Naturalist* 142:928-936.
- Sork VL, S Huang, and E Wiener. 1993. Macrogeographic and fine-scale genetic structure in a North American oak species, *Quercus rubra* L. Annales des Sciences Forestieres, 50 (Suppl.) 1:261-270.
- Sork VL, JE Bramble, and O Sexton. 1993. Ecology of mast fruiting in three species of North American deciduous oaks. *Ecology* 74:528-541.
- Sork VL. 1993. Evolutionary ecology of mast-seeding in temperate and tropical oaks (*Quercus* spp.). Vegetatio 107/108: 133-147.
- Sork VL and JE Bramble. 1993. Prediction of acorn crops in three species of North American oaks *Quercus alba*, *Q rubra*, and *Q velutina*. Annales des Sciences Forestieres, 50 (Suppl.) 1:128-136.
- Kelly CK and VL Sork. 1993. (Letter to the editor.) Bulletin of the Ecological Society of America 74:141-142.
- Sork VL and DW Schemske. 1992. Fitness consequences of mixed-donor pollen loads in the annual legume *Chamaecrista fasciculata. American Journal of Botany* 79:508-515.
- Fenster C and VL Sork, 1988. Effects of crossing distance and male parent on in vivo pollen tube growth in *Chamaecrista fasciculata*. *American J. Botany* 75:1898-1903.
- Sork VL. 1988. The ecology of terrestrial plant animal interactions. Book Review of: Howe, H.F. and L.C. Westley, Ecological Relationships of Plants and Animals. Ecology 69:2035.
- Charlesworth D, DW Schemske and VL Sork. 1987. The evolution of plant reproductive characters: sexual versus natural selection. Pp. 317-335 *in* S Stern (Editor), The Evolution of Sex and Its Consequences. Birkhauser, Basel, Switzerland.
- Sork VL 1987. Effects of predation and light on seedling establishment in Gustavia superba. Ecology 68:1341-1350.
- Sork VL. 1985. Germination response in a large-seeded neotropical tree specie, *Gustavia superba* (Lecythidaceae). *Biotropica* 17:130-136.
- Rose S and VL Sork. 1984. Teaching about female sexuality. Women's Studies Quarterly 12:19-22.
- Sork VL. 1984. Examination of seed dispersal and survival in red oak, *Quercus rubra* (Fagaceae), using metal tagged acorns. *Ecology* 65: 1020–1022.
- Sork VL. 1983a. Mast fruiting in hickories and availability of nuts. American Midland Naturalist 109:81-88.
- Sork VL. 1983b. Mammalian seed dispersal of pignut hickory during three fruiting seasons. Ecology 64:1049–1056.
- Sork VL 1983c. Distribution of pignut hickory, *Carya glabra*, along a forest to edge transect, and factors affecting seedling recruitment. *Bulletin of the Torrey Botanical Club* 110:494–506.
- Sork VL, P Stacey and J Averett. 1983. Utilization of red oak acorns in non-bumper crop year. Oecologia 59:49-53.
- Rabinowitz D, JK Rapp, VL Sork, FA Reese and JC Weaver. 1981. Phenological properties of wind- and insectpollinated prairie plants. *Ecology* 62:49–56.
- Boucher DH and VL Sork. 1979. Early drop of infested nuts in response to insect infestation. Oikas 33: 440-443.
- Sork VL. 1978. A comparison of physiological and behavioral adjustments to water stress in three species of kangaroo rat. *Southwestern Naturalist* 23:95–102.
- Sork VL and DH Boucher. 1977. Dispersal of sweet pignut hickory in a year of low fruit production, and the influence of predation by a curculionid beetle. *Oecologia* 18:289–299.