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Projects: *Population Genetics of Surfgrass (Phyllospadix torreyi) for Use in Restoration*
Advancing Marine Biotechnology: Use of OCS Oil Platforms as Sustainable Sources of Marine Natural Products

Education: B.A. Botany & Biology, University of California, Berkeley, CA 1983
Ph.D. Botany, University of California, Berkeley, CA 1990

Positions: 2000-Present Associate Professor, Department of Ecology, Evolution and Marine Biology, University of California, Santa Barbara, CA
1995-2000 Assistant Professor, Department of Ecology, Evolution and Marine Biology, University of California, Santa Barbara, CA
1993-1995 Postdoctoral Associate, Departments of Botany and Genetics, University of Georgia, Athens, GA
1992 Research Associate, Department of Genetics, University of Georgia, Athens, GA
1991 Visiting Assistant Professor of Biology, Bernard College, Columbia University, New York, NY
1983-1990 Research Associate, Research Associate, Teaching Assistantship at UC Berkeley

Awards and Honors:

2004 George Saul Lecturer, Middlebury College
1998 UCSB nominee for Packard Fellowship
1997 Regents' Junior Faculty Fellowship
1996 Regents' Junior Faculty Fellowship
1996-2000 White Mountain Research Station, Faculty Fellowship
1994 Menzel Award, Genetics Section, Botanical Society of America
1988 Distinguished Instructor, University of California, Berkeley
1987-88 Regents Fellowship, University of California, Berkeley

Selected Publications:

- Whittall, J.B. and S.A. Hodges. Speciation and floral evolution in the North American *Aquilegia*: inferences from an AFLP phylogeny. In preparation
- Hawkins, A, D.D. Kaska and S.A. Hodges. Genetic differentiation within and among islands in paleo-endemic California Island Ironwood, *Lyonothamnus floribundus*. In preparation
- Whittall, J.B., C. Voelckel and S.A. Hodges. Convergence of floral color among species of *Aquilegia*: Gene expression patterns in the anthocyanin biosynthetic pathway. In preparation
- Whittall, J.B., A. Medina-Marino, E.A. Zimmer and S.A. Hodges. Generating single-copy nuclear gene data in a recent adaptive radiation. Submitted to *Molecular Phylogenetics and Evolution*.
- Tucker, S.C. and S.A. Hodges 2005. Floral ontogeny of *Aquilegia*, *Semiaquilegia* and *Enemion* (Ranunculaceae). *International Journal of Plant Sciences* **166**(4):557-574.
- Hodges, S.A. 2005. One begets two. Review of *Speciation*, by J. A. Coyne and H. A. Orr. *American Journal of Botany* **92**(7):1215-1218.
- Yang, J.Y., B.A. Counterman, C.G. Eckert and S.A. Hodges 2005. Microsatellite markers for evolutionary studies in *Aquilegia*. *Molecular Ecology Notes* **5**:317-320.

- Whittall, J.B., C.B. Hellquist, E.L. Schneider and S.A. Hodges. 2004. Cryptic species in an endangered pondweed community (*Potamogeton*-Potamogetonaceae) revealed by AFLP markers. *American Journal of Botany* **91**:2022-2029.
- Taylor, D.L., T.D. Bruns, and S.A. Hodges. 2004. Evidence for mycorrhizal races in a cheating orchid. *Proceedings of the Royal Society of London, Series B* **271**:35-43.
- Hodges, S.A., M. Fulton, J.Y. Yang and J.B. Whittall 2004. Verne Grant and evolutionary studies of *Aquilegia*. *New Phytologist* **161**:113-120.
- Bush, D.S., D. Reed, S. Hollbrook, and S.A. Hodges. Sex-specific markers for surfgrass (*Phyllospadix torreyi*) reveal extreme female-biased sex ratios. *Molecular Ecology* (in prep).
- Taylor, D.L., T.D. Bruns, T.M. Szaro, and S.A. Hodges. 2003. Divergence in mycorrhizal specialization within *Hexalectris spicata* (Orchidaceae), a non-photosynthetic desert orchid. *American Journal of Botany* **90**:1168-1179.
- Whittall, J.B., E. Zimmer, A. Molina-Medino, and S.A. Hodges. 3'-UTR anchored amplification of nuclear genes: an efficient method for isolating numerous low copy nuclear introns. *Molecular Phylogenetics & Evolution* (in prep).
- Yang, J. B.A. Counterman, C.G. Eckert and S.A. Hodges. Microsatellite markers for evolutionary studies in *Aquilegia*. *Molecular Ecology Notes* **5**:317-320.
- Hodges, S.A., J.B. Whittall, M. Fulton, and J.Y. Yang. 2002. Genetics of floral traits influencing reproductive isolation between *Aquilegia Formosa* and *A. pubescens*. *American Naturalist* **159**: S51-S60.
- Bushakra, J.M., S.A. Hodges, J.B. Cooper, and D.D. Kaska. 1999. The extent of clonality and genetic diversity in the Santa Cruz Island Ironwood *Lyonothamnus floribundus*. *Molecular Ecology* **8**:471-476 (cover photo).
- Fulton, M. and S.A. Hodges. 1999. Floral isolation between *Aquilegia formosa* and *A. pubescens*. *Proceedings of the Royal Society of London, Series B* **266**:2247-2252
- Baker, H.G., I. Baker, and S.A. Hodges. 1998. Sugar composition of nectars and fruits consumed by birds and bats in the tropics and subtropics. *Biotropica* **30**:559-586.
- Hodges, S.A. 1997. A rapid adaptive radiation via a key innovation in *Aquilegia*. Molecular evolution and adaptive radiations. pg. 391-405. Eds. T. Givinish and K. Sytsma. Cambridge University Press, Cambridge.
- Hodges, S.A. 1997. Floral nectar spurs and diversification. *International Journal of Plant Sciences* **158**:S81-S88.
- Carney, S.E., S.A. Hodges, and M.L. Arnold. 1996. Effects of differential pollen-tube growth on hybridization in the Louisiana irises. *Evolution* **47**:1432-1445.
- Emms, S.K., S.A. Hodges, and M.L. Arnold. 1996. Pollen-tube competition, siring success and consistent asymmetric hybridization in the Louisiana irises. *Evolution* **50**:2201-2206.
- Hodges, S.A., J. Burke, and M.L. Arnold. 1996. Natural formation of iris hybrids: experimental evidence on the establishment of hybrid zones. *Evolution* **47**:2504-2509
- Arnold, M.L. and S.A. Hodges. 1995. Are natural hybrids fit or unfit relative to their parents? *Trends in Ecology and Evolution* **10**:67-70.
- Arnold, M.L. and S.A. Hodges. 1995. The fitness of Hybrids - A response to Day and Schluter. *Trends in Ecology and Evolution* **10**:289.
- Hodges, S.A. 1995. The influence of nectar production on hawkmoth behavior, self pollination and seed production in *Mirabilis multiflora* (Nyctaginaceae). *American Journal of Botany* **82**:197-229.