

## ERIK S. JULES

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Department of Biological Sciences  
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### PROFESSIONAL POSITIONS

2009– Professor, Humboldt State University  
2004–09 Associate Professor, Humboldt State University  
2000–04 Assistant Professor, Humboldt State University  
1998–9 Postdoctoral Researcher, University of California, Santa Cruz  
1997–9 Co-Director and Co-Founder, Siskiyou Field Institute  
1997–8 Adjunct Assistant Professor, University of Michigan Biological Station

### EDUCATION

1997 Ph.D., Biology, University of Michigan  
1993 M.S., Biology, University of Michigan  
1989 B.A., Biology, Philosophy & Environmental Studies, Ithaca College

### RESEARCH INTERESTS

Population & community ecology, disease ecology, forest pathogens, demography, forest ecology, invasion ecology, trophic cascades, environmental history, fire ecology, ecological history of North America, habitat fragmentation

### PUBLICATIONS      ‘\*’ indicates student co-authors

- Kurkjian\*, H.M., S.K. Carothers\*, E.S. Jules. 2016. Seed predation has the potential to drive a rare plant to extinction. **Journal of Applied Ecology** doi:10.1111/1365-2664.12808.
- Jules, E.S., J.I. Jackson\*, P.J. van Mantgem, J.S. Beck, M.P. Murray, and E.A. Sahara. 2016. The relative contributions of disease and insects in the decline of a long-lived tree: a stochastic demographic model of whitebark pine (*Pinus albicaulis*). **Forest Ecology and Management** 381:144-156.
- Barbour\*, M.A., M.A. Fortuna, J. Bascompte, J.R. Nicholson, R. Julkunen-Tiitto, E.S. Jules, and G.M. Crutsinger. 2016. Genetic specificity of a plant-insect food web: implications for linking genetic variation to network complexity. **Proceedings of the National Academy of Sciences** 113:2128-2133.
- DeSiervo\*, M.H., E.S. Jules, M.E. Kauffmann, D.S. Bost\* and R.J. Butz. 2016. Revisiting John Sawyer and Dale Thornburgh’s 1969 vegetation plots in the Russian Wilderness: a legacy continued. **Fremontia** 44:20-25.
- Livingston\*, A.C, J.M. Varner, E.S. Jules, J.M. Kane, and L.A. Arguello. 2016. Prescribed fire and

- conifer removal promote positive understory vegetation responses in *Quercus garryana* woodlands. **Journal of Applied Ecology** doi:10.1111/1365-2664.12703
- DeSiervo\*, M.H., E.S. Jules, and H.D. Safford. 2015. Disturbance response across a productivity gradient: postfire vegetation in serpentine and non-serpentine forests. **Ecosphere** 6(4):60. <http://dx.doi.org/10.1890/ES14-00431.1>
- Barbour\*, M.A., M.A. Rodriguez-Cabal, E.T. Wu, R. Julkunen-Tiitto, C.E. Ritland, A.E. Miscampbell, E.S. Jules, and G.M. Crutsinger. 2015. Multiple plant traits shape the genetic basis of herbivore community assembly. **Functional Ecology** DOI: 10.1111/1365-2435.12409.
- Sahara\*, E.A., D. Sarr, R.W. Van Kirk, and E.S. Jules. 2015. Quantifying habitat loss: assessing tree encroachment into a serpentine savanna using dendroecology and remote sensing. **Forest Ecology and Management** 340:9-21.
- Jules, E.S., C.M. Steenbock\*, and A.L. Carroll. 2015. Update on the 35-year expansion of the invasive root pathogen, *Phytophthora lateralis*, across a landscape of Port Orford cedar (*Chamaecyparis lawsoniana*). **Forest Pathology**. DOI: 10.1111/efp.12158
- Jules, E.S., A.L. Carroll, A.M. Garcia\*, C.M. Steenbock\*, and M.J. Kauffman. 2014. Host heterogeneity influences the impact of a non-native disease invasion on populations of a foundation tree species. **Ecosphere** 5(9):105. <http://dx.doi.org/10.1890/ES14-00043.1>
- Mola\*, J.M., J.M. Varner, E.S. Jules, and T. Spector. 2014. Implications of altered community flammability for the persistence of an endangered conifer. **PLoS ONE** 9(8): e103933. doi:10.1371/journal.pone.0103933
- Kauffman, M. J., J.F. Brodie, E.S. Jules. 2013. Are wolves saving Yellowstone's aspen? a landscape-level test of a behaviorally mediated trophic cascade: reply. **Ecology** 94:1425-1431.
- Jules, E.S., A.M. Ellison, N.J. Gotelli, S. Lillie\*, G. Meindl\*, N.J. Sanders, A.N. Young\*. 2011. The influence of fire on a rare serpentine plant assemblage: a five year study of *Darlingtonia* fens. **American Journal of Botany** 98:801-811.
- Jules, E.S. 2011. Review of *Serpentine: the evolution of a model system*, by Susan Harrison and Nishanta Rajakaruna. **Rhodora** 113:523-526.
- Kauffman, M. J., J.F. Brodie, E.S. Jules. 2010. Are wolves saving Yellowstone's aspen? a landscape-level test of a behaviorally mediated trophic cascade. **Ecology** 91:2740-2753.
- Wittman\*, S.E. N.J. Sanders, A.M. Ellison, E.S. Jules, J.S. Ratchford, N.J. Gotelli. 2010. Species interactions and thermal constraints on ant community structure. **Oikos** 119:551-559.
- Jules, M.J., J.O. Sawyer and E.S. Jules. 2008. Assessing the relationships between stand development and understory vegetation using a 420- year chronosequence. **Forest Ecology and Management** 255:2384-2393.
- Loya\*, D.T., and E.S. Jules. 2008. Use of richness estimators improves evaluation of understory plant response to logging: a study of redwood forests. **Plant Ecology** 194:179-194.

- Sanders, N.J., N.J. Gotelli, J.S. Wittman\*, J.S. Ratchford, A.M. Ellison, and E.S. Jules. 2007. Assembly rules of ground-foraging ant assemblages are contingent on disturbance, habitat and spatial scale. **Journal of Biogeography** 34:1632-1641.
- Palladini\*, J.D., M.G. Jones, N.S. Sanders, and E.S. Jules. 2007. The recovery of ant communities in regenerating temperate conifer forests. **Forest Ecology and Management** 242:619-624.
- Kauffman, M.J., and E.S. Jules. 2006. Heterogeneity shapes invasion: host size and environment influence susceptibility to a nonnative pathogen. **Ecological Applications** 16:166-175.
- Ratchford\*, S.E., N.J. Sanders, S.E. Wittman\*, E.S. Jules, A.M. Ellison, and N.J. Gotelli. 2005. The effects of fire, local environment and time on ant assemblages in fens and forests. **Diversity and Distributions** 11:487-497.
- Kahmen, A.\* and E.S. Jules. 2005. Assessing the recovery mechanisms of a long-lived herb in secondary forests: *Trillium ovatum* across a 424-year chronosequence. **Forest Ecology and Management** 210:107-116.
- Carroll A.L. and E.S. Jules. 2005. Climatic and ecological implications from a 580-year Port Orford cedar (*Chamaecyparis lawsoniana*) chronology in the Pacific Northwest, USA. **Madroño** 52:114-122.
- Elliott, S.\* and E.S. Jules. 2005. Assessing the factors that govern alpine plant communities: small scale variation in the Sierra Nevada. **Madroño** 52:38-45.
- Jules, E.S. 2004. The importance of managed forests for the persistence of plants in fragmented landscapes. Pages 141-148 in M. Brooks, S. Carothers, and T. LaBanca, editors. Ecology and management of rare plants of Northwestern California. California Native Plant Society Press, Sacramento, CA.
- Sinkiewicz\*, C.A. and E.S. Jules. 2003. Port Orford cedar and the non-native pathogen, *Phytophthora lateralis*. **Fremontia** 31:14-20.
- Tallmon, D.A., E.S. Jules, N.J. Radke\*, and L. S. Mills. 2003. Of mice and men and trillium: cascading effects of forest fragmentation. **Ecological Applications** 13:1193-1203.
- Jules, E.S. and P. Shahani\*. 2003. A broader ecological context to habitat fragmentation: why matrix habitat is more important than we thought. **Journal of Vegetation Science** 14:459-464.
- Jules, E.S., M.J. Kaufmann\*, W. Ritts\*, & A.L. Carroll. 2002. Spread of an invasive pathogen over a variable landscape: a non-native root rot on Port Orford cedar. **Ecology** 83:3167-3181.
- Doak, D.F., D. Thomson\*, and E.S. Jules. 2002. Population viability analysis for plants: understanding the demographic consequences of seed banks for population persistence and management. Pages 312-337 in Beissinger, S. R. and D. R. McCullough, editors. Population viability analysis. University of Chicago Press, Chicago.
- Hansen, E.M., D.J. Goheen, E.S. Jules, and B. Ullian. 2000. Managing Port Orford cedar and the introduced pathogen, *Phytophthora lateralis*. **Plant Disease** 84:4-10.

- Ullian, B. and E.S. Jules. 2000. Predictability begets optimism: a conservation perspective on Port Orford cedar and *Phytophthora lateralis*. **Plant Disease** 84:12-13.
- Jules, E.S., E.J. Frost, L.S. Mills, and D.A. Tallmon. 1999. Ecological consequences of forest fragmentation in the Klamath Region. **Natural Areas Journal** 19:368-378.
- Jules, E.S., D.A. DellaSala, and J.K. Marsden. 1999. The Klamath-Siskiyou Region. **Natural Areas Journal** 19:295-297.
- Jules, E.S. and B.J. Rathcke. 1999. Mechanisms of reduced trillium recruitment along edges of old-growth forest fragments. **Conservation Biology** 13:784-793.
- Jules, E.S. 1998. Habitat fragmentation and demographic change for a common plant: trillium in old-growth forest. **Ecology** 79:1645-1656.
- Jules, E.S. and T.V. Dietsch. 1997. Dangers in dividing conservation biology and agroecology (Letters section). **Conservation Biology** 11:1272-1273.
- Jules, E.S. 1997. Consequences of forest fragmentation for the understory plant, *Trillium ovatum* (Liliaceae). Pages 201-206 in T.N. Kaye, A. Liston, R.M. Love, D. Luoma, R.J. Meinke, M.V. Wilson, editors. Conservation and Management of Native Plants and Fungi. Native Plant Society of Oregon, Corvallis, Oregon.
- Jules, E.S. 1996. Yellow jackets (*Vespula vulgaris*) as a second seed disperser for the myrmecochorous plant, *Trillium ovatum*. **American Midland Naturalist** 135:367-369.
- Jules, E.S. and A.J. Shaw. 1994. Adaptation to metal-contaminated soils in populations of the moss, *Ceratodon purpureus*: vegetative growth and reproductive expression. **American Journal of Botany** 81:791-797.
- Rathcke, B.J. and E.S. Jules. 1993. Habitat fragmentation and plant-pollinator interactions. **Current Science** 65:273-277.
- Shaw, A.J., E.S. Jules, and S.C. Beer. 1991. Effects of metals on growth, morphology, and reproduction of *Ceratodon purpureus*. **The Bryologist** 94:270-277.

#### **SELECTED REPORTS & PROCEEDINGS**    ‘\*’ indicates student co-authors

- DeSiervo\*, M.H., E.S. Jules, and H.D. Safford. 2016. Inventory and monitoring of the Rich Fire: final progress report, 2011-2013 field seasons. Report to the Plumas National Forest.
- Jackson\*, J., E. S. Jules, S. B. Smith, E. A. Sahara\*, and D. A. Sarr. 2015. Whitebark pine monitoring at Crater Lake and Lassen Volcanic National Parks: Fiscal years 2012–2014 project report. Natural Resource Report NPS/KLMN/NRR—2015/1052. National Park Service, Fort Collins, Colorado.
- Jackson\*, J., E.S. Jules, and S.B. Smith. 2014. Whitebark pine monitoring at Crater Lake and Lassen Volcanic National Parks: fiscal year 2014 annual project report. National Park Service, Klamath Network, Ashland, Oregon.

- Jackson\*, J., E.S. Jules, S.B. Smith, and D. Sarr. 2013. Whitebark pine monitoring at Crater Lake and Lassen Volcanic National Parks: fiscal year 2013 annual project report. National Park Service, Klamath Network, Ashland, Oregon.
- Varner, M., E. Jules, E. Engber\*, E. Sahara\*, C. Sullivan, and D. Sarr. 2012. Ecology of the Bald Hills and Little Bald Hills of Redwood National Park: An assessment of vegetation change. National Park Service, Klamath Network, Ashland, Oregon.
- Jules, E.S., A.E. Sahara\*, S.B. Smith, and D. Sarr. 2012. Whitebark pine monitoring at Crater Lake and Lassen Volcanic National Parks: fiscal year 2012 annual project report. National Park Service, Klamath Network, Ashland, Oregon.
- Frost, E.J. and E.S. Jules. 2007. Draft conservation strategy for Oregon fireweed (*Epilobium oregonum*), Mendocino gentian (*Gentiana setigera*), large-flowered rush-lily (*Hastingsia bracteosa* var. *bracteosa*), purple-flowered rush lily (*H. bracteosa* var. *atropurpurea*), western bog violet (*Viola lanceolata* ssp. *occidentalis*) in serpentine *Darlingtonia* wetlands of southwest Oregon and northwest California. Report for the Bureau of Land Management and the United States Forest Service. 67 pgs.
- Jules, E.S., M.J. Kauffman\*, A.L. Carroll and W. Ritts\*. 2004. Assessing the landscape spread of the fatal Port Orford cedar root rot. Pages 13-20 in K.L. Mergenthaler, J.E. Williams, and E.S. Jules (editors). Proceedings of the Second Conference on Klamath-Siskiyou Ecology. Siskiyou Field Institute, Cave Junction, Oregon.
- Mergenthaler, K.L., J.E. Williams, and E.S. Jules (Editors). 2004. Proceedings of the Second Conference on Klamath-Siskiyou Ecology. Siskiyou Field Institute, Cave Junction, Oregon.
- Beigel, J.K., E.S. Jules, and B. Snitkin (Editors). 1997. Proceedings of the First Conference on Siskiyou Ecology. The Siskiyou Regional Education Project, Cave Junction, OR.

## FUNDING & AWARDS

2016-18	\$431,080	Collaborative ecological field research and monitoring support to the Klamath, Mendocino, Shasta-Trinity, and Six Rivers National Forests in California. <b>USDA Forest Service</b> . E.S. Jules.
2015-18	\$20,300	Forest structure and fuels treatment effects on Mardon skipper habitat in a serpentine ecosystem. <b>National Park Service</b> . E.S. Jules.
2015	\$30,170	Modelling the spread of Sudden Oak Death disease in Redwood National Park. <b>National Park Service</b> . E.S. Jules.
2015	\$23,190	Assessing the impact of red fir mortality in northwest California forests. <b>Agricultural Research Institute (ARI) Grants for Agricultural Research</b> ; E.S. Jules and M.H. DeSiervo.
2014-17	\$20,000	Mechanisms of extinction risk and evaluation of management alternatives in the rare montane plant Lassics lupine ( <i>Lupinus constancei</i> ). <b>U.S. Fish and Wildlife Service</b> ; D. Barton and E.S. Jules.

2014-15	\$101,462	Whitebark pine in the Pacific states parks: A multi-network assessment of population vulnerability to an introduced pathogen. <b>US Geological Service (USGS)</b> . P. van Mantgem, D.A. Sarr, E.S. Jules, +8 collaborators.
2013-16	\$217,407	Inventory of the ecological effects of multiple fires on forest structure and composition, fuels, and soil in the area of the Storrie, Rich, and Chips Fires. <b>USDA Forest Service</b> . E.S. Jules.
2012-16	\$158,792	Whitebark pine monitoring, disease dynamics, and mortality history at Crater Lake and Lassen Volcanic National Parks. <b>National Park Service</b> . E.S. Jules.
2011-16	\$202,592	Collaborative ecological field data collection and monitoring support to Klamath, Mendocino, Shasta-Trinity and Six Rivers National Forests in California. <b>USDA Forest Service</b> . E.S. Jules.
2011-15	\$161,800	Inventory and monitoring of postfire patterns in forest condition, structure and composition in the watershed of the Rich Fire. <b>USDA Forest Service</b> . E.S. Jules.
2008-10	\$100,012	Study of the ecology of the Little Bald Hills. <b>National Park Service</b> ; Varner, J.M. and E.S. Jules.
2008-09	\$322,990	Quantifying the influence of climate change on Rocky Mountain ungulate populations, migration and feedground use, and herbivory impacts on vegetation. <b>US Geological Survey (USGS)</b> ; Kauffman, M.J., J. Brodie, G. Chong, P. Cross, E.S. Jules, B. Klaver.
2007-08	\$5,000	Assessment and preliminary analysis of demographic monitoring and seed studies for Lassics lupine ( <i>Lupinus constancei</i> ); <b>USDA Forest Service</b> . E.S. Jules.
2006	\$13,114	Conservation strategy for serpentine <i>Darlingtonia</i> wetlands; <b>U.S. Bureau of Land Management</b> subcontract. E.S. Jules.
2005	\$3,500	Assessing aspen demography in Yellowstone National Park. Subcontract from <b>University of Montana</b> . E.S. Jules.
2003		Alistair McCrone Promising Faculty Scholars Award – a university-wide award recognizing excellence in research.
2002-3	\$73,139	SGER: RUI: Collaborative: Mechanisms of community re-assembly after a catastrophic fire. <b>National Science Foundation</b> , DEB-0301932, N.J. Sanders, E.S. Jules, A. Ellison, N. Gotelli.
2002-4	\$46,800	A study plan to inventory vascular plants and vertebrates: Klamath network, National Park Service. <b>National Park Service</b> . E.S. Jules.
2002	\$2,500	Sudden Oak Death research. USDA Forest Service Pacific Southwest Research Station, <b>Redwood Science Lab</b> . E.S. Jules.

2001	\$20,000	Investigation of recent vegetation history near Ossagon Creek, Prairie Creek Redwoods State Park. <b>National Park Service and California Department of Parks and Recreation.</b> E.S. Jules.
2001	\$8,000	Rare and endangered plant survey, <b>California Department of Parks and Recreation.</b> E.S. Jules.
2000 –	~\$20,300	Internal Humboldt State University competitive grants.
2000	\$16,000	Distribution of torrent salamanders and rare plants within proposed road removal and trail reroute project areas in Humboldt Redwoods and adjacent State Parks. <b>California Department of Parks and Recreation.</b> Leppig, G., E.S. Jules, and S. Marks.
1998-01	\$294,902	Evaluating the spread and outcome of disease invasions: the importance of landscape heterogeneity and scale. <b>National Science Foundation</b> , Ecology/Conservation and Restoration Biology Award DEB-9806722. D.F. Doak and E.S. Jules.
1995-6	\$14,400	Rackham Predoctoral Fellowship.
1995	\$5,000	Helen Olsen Brower Fellowship in Environmental Studies, <b>University of Michigan.</b>
1995	\$2,175	Michaux Fund (Forest History & Botany), <b>American Philosophical Society.</b> E.S. Jules.
1993	\$3,500	Newcombe Fellowship, <b>University of Michigan.</b>
1992	\$1,000	<b>The Nature Conservancy</b> , Grants for Graduate Research in Conservation. E.S. Jules.
1989		C.P. Snow Scholarship, Ithaca College, for success in both humanities and sciences.

### SELECTED PRESENTATIONS (last three years)

‘\*’ indicates student co-authors

Varner, J.M. and E.S. Jules. 2016. The enigmatic fire regime of redwood ecosystems and why it matters. Coast Redwood Science Symposium, Eureka, CA. Oral presentation.

Jules, E.S., J.I. Jackson\*, and P.J. van Mantgem. 2015. A model framework for assessing the impact of disease and pest incidence on populations of whitebark pine. Whitebark Pine Ecosystem Foundation Annual Meeting, Ashland, OR. Oral presentation.

DeSiervo\*, M.H., R. Butz, and E.S. Jules. 2015. Impacts of global change and fire suppression on diverse forest communities in the Klamath Mountains (CA) from 1969 to 2014. Ecological Society of America Annual Meeting, Baltimore, MD. Oral presentation.

Barbour\*, M.A., G.M. Crutsinger, E.S. Jules, C. Greyson-Gaito, B. Locke, and A. Sotoodeh. 2015. Plant genetic variation determines the strength of intraguild predation in a gall-parasitoid food web. Ecological Society of America Annual Meeting, Baltimore, MD.

Oral presentation.

Jackson I.J.\*, D.A. Sarr, and E.S. Jules. 2014. Disease and pest incidence in whitebark pine populations in Crater Lake and Lassen Volcanic National Park. Northern California Botanist Conference. Chico, California, USA. Oral presentation.

Barbour\*, M.A., Bascompte, J., Nicholson, J., Jules, E.S., Crutsinger, G.M. 2014. Host-plant genetic variation structures gall-parasitoid networks. Ecological Society of America annual meeting, Sacramento, California, USA. Oral presentation.

Wu\*, E.T., E.S. Jules, and G. M. Crutsinger. 2014. Of willows and arthropods: Host plant genotype affects arthropod community assemblage and structure. Ecological Society of America Annual Meeting, Sacramento, OR. Poster.

DeSiervo\*, M., E.A. Sahara\*, and E.S. Jules. 2012. Inventory and monitoring of postfire forest succession on serpentine and non-serpentine soils of the Rich Fire, Plumas National Forest. 5th International Fire Ecology and Management Congress, Portland, OR. Poster.

Sahara\*, E.A., D. Sarr, and E.S. Jules. 2012. Tree encroachment into a serpentine pine savanna: assessing the past and predicting future conditions using dendroecology and remote sensing techniques. Ecological Society of America Annual Meeting, Portland, OR. Poster.

Kurkjian\*, H. M., S. K. Carothers\*, E.S. Jules. 2012. Seed predation reduces the fecundity of a rare plant and leads to population decline. Ecological Society of America, Portland, OR. Oral presentation.

Kurkjian\*, H., S. Carothers\*, E. Jules. 2012. A population viability analysis of the Lassics lupine. California Native Plant Society, San Diego, CA. Oral presentation.

## **PROFESSIONAL SOCIETIES**

Ecological Society of America  
California Botanical Society  
California Native Plant Society  
Whitebark Pine Ecosystem Foundation

## **TEACHING EXPERIENCE**

2000 — Assistant, Associate & Full Professor of Biology, Humboldt State University:

Principles of Ecology  
Population & Community Ecology  
Introduction to Graduate Studies  
Population Ecology  
Plant Ecology  
Advanced Plant Ecology  
Environment & Culture: How People Transformed a Continent  
Plant Taxonomy Lab  
Graduate Seminar – Readings in Population Ecology



Graduate Seminar – Who Stole the Wilderness?

- 2000/06 Instructor, Siskiyou Field Institute:  
Conservation Biology in the Field  
Biology of Trees and Shrubs
- 1997-8 Adjunct Assistant Professor, University of Michigan Biological Station:  
Conservation Biology and Ecosystem Management
- 1990-97 Graduate Student Instructor, University of Michigan:  
Community Ecology  
Systematic Botany  
General Ecology  
Practical Botany  
Biology for Non-scientists
- 1993 Lab Coordinator, University of Michigan:  
Systematic Botany

**UNIVERSITY & PROFESSIONAL SERVICE**

Manuscript reviewer for:

*American Naturalist, American Journal of Botany, Annals of Botany, Biological Conservation, Conservation Biology, Ecography, Ecology, Ecology Letters, Ecological Applications, Forests, Journal of Vegetation Science, The Journal of the Torrey Botanical Society, Natural Areas Journal, Trends in Ecology and Evolution*

- 2016 Search Committee, Departmental Administrative Support Coordinator
- 2015— Graduate Student Coordinator, Department of Biological Sciences
- 2015 Outstanding Student Award Committee, College level
- 2015 Search Committee, Departmental Administrative Support Coordinator
- 2014-2015 Departmental Curriculum Committee, Chair
- 2013-2014 Departmental Curriculum Committee
- 2009-2010 Departmental Personnel Committee, Chair
- 2010-2011 Departmental Personnel Committee
- 2009— Miscellaneous Committees (Building Committee, Botany Awards, Greenhouse Committee)
- 2009-2010 Departmental committee to develop an Ecology & Biodiversity major
- 2009 Writing Across the Curriculum liaison
- 2006- Research Committee for the Deer Creek Center for Field Research and Education, an environmental education center, Selma, OR
- 2004-07 Board of Directors, Siskiyou Field Institute, an environmental education and research institute, Selma, OR

- 2000-2009      Departmental Seminar Organizer  
Ecologist Faculty Search Committee (twice), Chair  
Plant Systematist Faculty Search Committee  
University Scholarship Focus Group
- 1999-04      Board of Directors, Siskiyou Regional Education Project, Non-profit  
environmental education and advocacy group; Cave Junction, OR
- 1997          Co-Founder, Siskiyou Field Institute; an environmental education and research  
institute, Selma, OR
- 1999          Coordinator for the special issue of Natural Areas Journal on the ecology of the  
Klamath and Siskiyou Mountains – 10 papers, Volume 19, 1999
- 1997          Editor of Proceedings of the First Conference on Siskiyou Ecology, Cave  
Junction, OR
- 1997          Co-coordinator of the Conference on Siskiyou Ecology, held May 31-June 1, 1997,  
Organizer, sessions moderator

#### **GRADUATE STUDENTS (Masters)**

- Drew Bost (current). Assessing a recent red fir mortality event in the Klamath Mountains using remote sensing and aerial imagery.
- Laura Morgan (current). Modeling the spread of Sudden Oak Death in Redwood National Park.
- Erin Alvey. 2016. Early seral mixed-conifer forest structure and composition following a wildfire reburn in the Sierra Nevada.
- Jenell Jackson (2016). Disease and pest incidence on whitebark pine populations in Crater Lake and Lassen National Parks.
- Elizabeth Wu. The interactive effects of plant genotype and gender on community structure of arthropods on the dune willow (*Salix hookeriana*).
- Melissa DeSiervo. 2014. Disturbance effects across a productivity gradient: postfire vegetation response in serpentine and non-serpentine forests in the northern Sierra Nevada (California, USA). PhD candidate at Dartmouth University.
- Helen Kurkjian. 2012. A population viability analysis of Lassics lupine (*Lupinus constancei*). Present position: PhD candidate at the University of California, Berkeley.
- April Sahara. 2012. Tree encroachment into a rare serpentine woodland community. Present position: Forestry Consultant and GIS Analyst, BBW Associates, Inc.
- Marcus Jones. 2011. The potential for a hemiparasitic plant to maintain species diversity during climate change : the role of warming and critical species in a salt marsh on Humboldt Bay, California, USA. Present position: Consulting Utility Forester with ACRT Inc.

Sheilah Lillie. 2011. The role of fire in shaping pollinator communities: a post burn analysis of bees in serpentine habitat. Present position: Sr. Environmental Health Specialist, Tolumne County, CA.

David Franklin. 2009. A comparative analysis of four methods for detecting nitrogen in a heterogeneous serpentine landscape: the potential influence of fire and habitat. Present position: Lecturer, Humboldt State University and College of the Redwoods.

Jane Cipra. 2006. Experimental assessment of a gateway invader: how yellow bush lupine (*Lupinus arboreus*) facilitates the loss of native dune vegetation. Current position: Botanist, Death Valley National Monument.

David Loya. 2004. Timber harvest effects on redwood understory plant communities: implications of sampling efficacy and richness estimators. Current position: Community Development Director, City of Arcata, CA.

Jennifer Palladini, PhD. 2004. The potential role of seed dispersal and predation in limiting the recruitment of *Trillium ovatum* in a heterogeneous landscape. Current position: Lecturer, Santa Clara University.

Jason Nuckols. 2002. Assessing the role of seed banks and fire in the restoration of coastal prairie. Current position: Reserve Manager, The Nature Conservancy.

#### **POST-DOCTORAL SCIENTISTS MENTORED**

Caroline Sullivan, PhD. 2010-2011. Irish-American Fulbright Commission Post-Doctoral Scholar. Ecology of serpentine woodlands in the Little Bald Hills (Redwood National Park). Co-advised with M. Varner, HSU Department of Forestry and Wildland Resources. Current position: Research Scientist, Institute of Technology, Sligo, Ireland.

#### **COLLABORATORS (last decade)**

Leonel Arguello, National Park Service  
Matthew Barbour, University of British Columbia  
Jen Beck, National Park Service  
Jedediah Brodie, University of British Columbia  
Ramona Butz, US Forest Service  
Paul CaraDonna, University of Arizona  
Allyson Carroll, Humboldt State University  
Greg Crutsinger, University of British Columbia  
Aaron Ellison, Harvard University  
Eamon Engber, National Park Service  
Nick Gotelli, University of Vermont  
Amy Iler, Aarhus University  
Maureen Jules, US Forest Service  
Jeff Kane, Humboldt State University  
Matthew Kauffman, USGS & University of Wyoming  
Hugh Safford, US Forest Service

Nathan Sanders, University of Copenhagen  
Daniel Sarr (deceased), USGS  
John Sawyer (deceased), Humboldt State University  
Chris Steenbock, University of Colorado, Boulder  
Phil van Mantgem, USGS  
Morgan Varner, US Forest Service