

## List of presenters invited to the Young Scientists Symposium

### **Plenary Speaker**

Dr. Susan Harrison

Professor, Division of Environmental Studies, University of California Davis

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Website: <http://www.des.ucdavis.edu/faculty/HARRISON.htm>

#### Selected publications:

1. Safford, H. and S. Harrison, 2001. Ungrazed roadside verges in a grazed landscape: interactive effects of grazing, invasion and substrate on grassland diversity. Ecological Applications 11: 1112-1122.
2. Harrison, S., K. Rice and J. Maron, 2001. Habitat patchiness promotes invasions by alien grasses on serpentine soil. Biological Conservation 100: 45-53.
3. Harrison, S., J. L. Viers and J. F. Quinn, 2000. Climatic and spatial patterns of diversity in the serpentine plants of California. Diversity and Distributions 6: 153-161.

### **Symposium presenters**

Dr. Priyanga Amarasekare

Assistant Professor, Department of Ecology and Evolutionary Biology, University of Chicago

e-mail: [amarasek@midway.uchicago.edu](mailto:amarasek@midway.uchicago.edu)

Website: [http://pondside.uchicago.edu/ecol-evol/faculty/amarasekare\\_p.html](http://pondside.uchicago.edu/ecol-evol/faculty/amarasekare_p.html)

#### Selected publications:

1. Amarasekare, P. 2004. The role of density-dependent dispersal in source-sink dynamics. Journal of Theoretical Biology 226(2): 159-168.
2. Amarasekare, P. 2003. Competitive coexistence in spatially structured environments: a synthesis. Ecology Letters 6(12): 1109-1122.

Dr. Ottar Bjornstad

Assistant Professor, Department of Entomology, Pennsylvania State University

e-mail: onb1@psu.edu

Website: <http://www.ento.psu.edu/Personnel/Faculty/bjornstad.htm>

#### Selected publications:

1. Bjørnstad, O.N., Peltonen, M., Liebhold, A.M. & Baltensweiler, W. (2002) Waves of larch budmoth outbreaks in the European alps. Science 298: 1020-1023.
2. Grenfell, B.T., Bjørnstad, O.N., & Kappey, J. 2001. Travelling waves and spatial hierarchies in measles epidemics. Nature 414: 716-723.

Dr. Kendi Davies

Post-doctoral researcher with Dr. Susan Harrison at the University of California, Davis

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Website: <http://www-eve.ucdavis.edu/chesson/#Kendi>

#### Selected publications:

1. Davies, K. F., C. R. Margules, and J. F. Lawrence. 2004. A synergistic effect puts rare, specialized species at greater risk of extinction. Ecology 85: 265-271.

2. Davies, K. F., B. A. Melbourne, and C. R. Margules. 2001. [Effects of within- and between-patch processes on community dynamics in a fragmentation experiment.](#) Ecology 82: 1830-1846.

Dr. Megan Donahue

Postdoctoral Researcher, working with Dr. Bob Desharnais and Dr. Carlos Robles at Center for Environmental Analysis, California State University

Graduate in 2003 of Dr. Peter Chesson's lab at U.C. Davis

Thesis title: The interaction of dispersal and density dependence: resource variation, competition, and gregarious settlement

e-mail: mdonahu@exchange.calstatela.edu

Website: <http://www-eve.ucdavis.edu/chesson/#Megan>

Selected publications:

1. Donahue, M.J. 2004. Size-dependent competition in a gregarious porcelain crab *Petrolisthes cinctipes* (Anomura:Porcellanidae). Marine Ecology Progress Series 267 : 196-207.
2. Donahue, M.J., M. Holyoak, and C. Feng. 2003. Patterns of dispersal and dynamics among habitat patches varying in quality. The American Naturalist. 162: 302-317.

Dr. Paul Moorcroft

Assistant Professor, Organismic and Evolutionary Biology, Harvard University

e-mail: pmoorcroft@oeb.harvard.edu

Website: <http://www.oeb.harvard.edu/faculty/moorcroft/>

Selected publications:

1. P.R. Moorcroft (2003). Recent advances in ecosystem-atmosphere interactions: an ecological perspective. Proceedings of the Royal Society Series B: 270:1215-1227.
2. P.R. Moorcroft, G.C. Hurtt & S.W. Pacala (2001). A method for scaling vegetation dynamics: the ecosystem demography model (ED). Ecological Monographs, 74:557-586.

Dr. Annette Ostling

Princeton University Council on Science and Technology Postdoctoral Teaching Fellowship

Recent graduate from John Harte's lab, Energy and Resources Group, University of California, Berkeley, Degree 2004

Thesis title: Development and tests of two null theories of macroecology: a fractal theory and a dispersal assembly theory

e-mail: aostling@socrates.berkeley.edu

Website: <http://ist-socrates.berkeley.edu/~aostling/>

Selected publications:

1. Ostling, A., J. Harte, J. L. Green, and A. P. Kinzig. (2004) Self-similarity, the power-law form of the species-area relationship, and a probability rule: A reply. [The American Naturalist 163: 627-633.](#)

2. Ostling, A., J. Harte, J. L. Green, and A. P. Kinzig. (2003) A community-level fractal property produces power-law species-area relationships in nature. *Oikos* [103: 218-224.](#)

Dr. Anna Sears

Research Director, Laguna de Santa Rosa Foundation, Santa Rosa, California  
Recent graduate from Dr. Peter Chesson's lab, Population Biology, University of California, Davis, Degree 2004

Thesis title: Quantifying the effects of spatial environmental variation on dynamics of natural plant populations: field tests for covariance between response to the environment and competition

e-mail: [alsears@ucdavis.edu](mailto:alsears@ucdavis.edu)

Website: <http://www-eve.ucdavis.edu/chesson/#Anna>

Selected publications:

1. Sears, A.L.W., R.D. Holt, G.A. Polis. 2004. Feast and famine in food webs: the effects of pulsed productivity. In: Food webs at the landscape level. G.A. Polis, M.E. Power, and G.R. Huxel, editors. University of Chicago Press. Chicago, USA.
2. Sears, A.L.W., J.T. Smiley, M. Hilker, F. Muller, and N.E. Rank. 2001. Nesting behavior and prey use in two geographically separated populations of the specialist wasp *Symmorphus cristatus* (Vespidae: Eumeninae). *American Midland Naturalist* 145: 233-246.

Dr. Diane Srivastava

Assistant professor in Zoology, University of British Columbia

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Website: <http://www.zoology.ubc.ca/%7Esrivast/index.html>

Selected publications:

1. Srivastava, D.S. 2002. The role of conservation in expanding biodiversity research. *Oikos* 98:351-360. [PDF](#)
2. Srivastava, D.S. 1999. Using local-regional richness plots to test for species saturation: Pitfalls and potentials. *Journal of Animal Ecology* 68: 1-17. [PDF](#)

Dr. Kimberly With

Associate Professor, Division of Biology, Kansas State University

e-mail: [kwith@ksu.edu](mailto:kwith@ksu.edu)

Website: <http://www.ksu.edu/withlab/kaw.html>

Selected publications:

1. With, K. A., and A. W. King. 2001. [Analysis of landscape sources and sinks: the effect of spatial pattern on avian demography](#). *Biological Conservation* 100: 75-88.
2. With, K. A. 2002. [The landscape ecology of invasive spread](#). *Conservation Biology* 16: 1192-1203.