

## *Curriculum vitae*

### **Bradley J. Cardinale, Ph.D.**

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#### **Education**

Ph.D. in Biology, University of Maryland, May 2002

Dissertation title: “*Species diversity and ecosystem functioning ... putting the relationships into context.*”  
Margaret A. Palmer, advisor.

M.S. in Fisheries and Wildlife, Michigan State University, 1996

Thesis title: “*The effect of a pelagic-littoral mixing gradient on an epiphytic invertebrate community.*”  
Thomas M. Burton, advisor.

B.S. in Biology, Arizona State University, 1993

Thesis title: “*Associations between food web structure and algal nutrient limitation in northern temperate lakes.*” James J. Elser, advisor.

#### **Academic positions**

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| 7/05 – present | Assistant professor, Department of Ecology, Evolution and Marine Biology, University of California-Santa Barbara. |
| 4/02 – 6/05    | Post-doctoral research associate with Dr. Anthony Ives, Department of Zoology, University of Wisconsin-Madison.   |
| 8/96 – 3/02    | Graduate teaching assistant, Department of Biology, University of Maryland.                                       |
| 8/94 – 5/96    | Graduate teaching assistant, Department of Biology, Michigan State University.                                    |

#### **Honors & Awards**

- Hynes Award for New Investigators. 2003. An award recognizing excellence in benthic science for an influential paper published by a young scientist. The North American Benthological Society.
- Distinguished Teaching Assistant. 2001. A university-wide award honoring a select few teaching assistants nominated by their departmental chairs. Sponsored by the Center for Teaching Excellence, University of Maryland.
- Graduate Research Award. 2001 and 2002. A departmental award given to one graduate per year to honor an outstanding research contribution. Department of Biology, University of Maryland.
- Wildco Award for Best Oral Presentation in Basic Research. 2000. North American Benthological Society annual meeting, Keystone, Colorado.
- Wildco Award for Best Oral Presentation in Basic Research. 1997. North American Benthological Society annual meeting, San Marcos, Texas.

#### **Research grants**

- National Science Foundation, DEB-0614428, \$320,000. “*Effects of algal diversity on the productivity of streams: Does diversity play a greater role in variable vs. constant environments?*” (06/06 – 05/09).
- UC MEXUS-CONACYT Collaborative Research Grant, \$25,000. “*Hotspots of biodiversity in central México: Implications and importance for habitat conservation in human-dominated watersheds.*” (07/05 – 06/06).
- Faculty Research Grant, Academic Senate, University of California-Santa Barbara, \$7835. “*Does disturbance moderate the impact of species diversity on fundamental ecosystem processes?*” (7/05 – 6/06).
- Doctoral Dissertation Improvement Grant, National Science Foundation, Division of Environmental Biology, \$9225. “*Putting the relationship between species diversity and ecosystem functioning into context.*” (4/01 – 8/02).
- Chesapeake Bay Foundation Research Grant, \$11,200. “*Species diversity and the productivity of streams in the Chesapeake Bay watershed.*” (9/97 – 8/01).

## Peer-reviewed Publications

1. Weis, J. J., **B. J. Cardinale**, and A. R. Ives. 2007. Effects of algal species richness on community biomass production change predictably through successional time. *Ecology*, *in press*.
2. Madritch, M. and **B. J. Cardinale**. 2007. Impacts of leaf litter diversity on rates of decomposition ... a multi-site experiment along a latitudinal gradient. *Plant & Soil Science*, *in press*.
3. **Cardinale, B.J.**, D. S. Srivastava, J. E. Duffy, J. P. Wright, A. L. Downing, M. Sankaran, and C. Jousseau. 2006. Effects of biodiversity on the functioning of trophic groups and ecosystems. *Nature*, 443:989-992.
4. Langley, S.A., K. J. Tilmon, **B. J. Cardinale**, and A. R. Ives. 2006. Learning, color preference, and field parasitism rates on pea aphids by the parasitoid *Aphidius ervi* Haliday (Hymenoptera: Braconidae). *Oecologia*, 150:172-179.
5. **Cardinale, B. J.**, J. J. Weis, K. J. Tilmon, A. E. Forbes, A. R. Ives. 2006. Biodiversity as both a cause and consequence of resource availability: A study of reciprocal causality in a predator-prey system. *Journal of Animal Ecology* 75:497-505.
6. **Cardinale, B. J.**, H. Hillebrand, and D. Charles. 2006. Geographic patterns of diversity in streams predicted by a multivariate model of disturbance and community production. *Journal of Ecology*, 94:609-618.
7. Gross, K., and **B. J. Cardinale**. 2005. The functional consequences of random versus ordered species extinctions. *Ecology Letters* 8:409-418.
8. Ives, A. R., **B. J. Cardinale**, and W. E. Snyder. 2005. A synthesis of sub-disciplines: predator-prey interactions, and biodiversity and ecosystem functioning. *Ecology Letters* 8:102-116.
9. **Cardinale, B. J.**, M. A. Palmer, A. R. Ives, and S. S. Brooks. 2005. Diversity-productivity relationships in streams vary as a function of the natural disturbance regime. *Ecology* 86:716-726.
10. Aquilino, K., **B. J. Cardinale**, and A. R. Ives. 2005. Reciprocal effects of host-plant and natural enemy diversity on herbivore suppression: An empirical study of a model tri-trophic system. *Oikos* 108:275-282.
11. Raffaelli, D., **B. J. Cardinale**, A. L. Downing, K. A. M. Engelhardt, J. L. Ruesink, M. Solan, and D. S. Srivastava. 2005. Reinventing the wheel in ecology research? Reply to Flint and Kalke. *Science*, 307:1875-1876.
12. **Cardinale, B. J.**, A. R. Ives, and P. Inchausti. 2004. Effects of species diversity on the primary productivity of ecosystems: extending our spatial and temporal scales of inference. *Oikos* 104:437-450.
13. Solan, M., **B. J. Cardinale**, A. Downing, K. Engelhardt, J. Ruesink, and D. Srivastava. 2004. Extinction and ecosystem function in the marine benthos. *Science* 306:1177-1180.
14. Covich, A. P., M. C. Austen, F. Bärlocher, E. Chauvet, **B. J. Cardinale**, C. L. Biles, P. Inchausti, O. Dangles, M. Solan, M.O. Gessner, B. Statzner, B. Moss, and H. Asmus. 2004. The role of biodiversity in the functioning of freshwater and marine benthic ecosystems. *BioScience* 54:767-775.
15. Ives, A. R., and **B. J. Cardinale**. 2004. Food-web interactions govern the resistance of communities to non-random extinctions. *Nature* 429:174-177.
16. **Cardinale, B. J.**, E. Gelman, and M. A. Palmer. 2004. Net-spinning caddisflies as ecosystem engineers: The effect of *Hydropsyche* on benthic substrate stability in streams. *Functional Ecology* 18:381-387.
17. Hillebrand, H., and **B. J. Cardinale**. 2004. Consumer effects decline with prey diversity. *Ecology Letters* 7:192-201.
18. Starzomski, B. M., **B. J. Cardinale**, J. A. Dunne, M. J. Hillery, C. A. Holt, M. A. Krawchuk, M. Lage, S. McMahon, and M. C. Melnychuk. 2004. Contemporary visions of progress in ecology and thoughts for the future. *Ecology and Society* 9:14-25.
19. **Cardinale, B. J.**, C.T. Harvey, K. Gross, and A.R. Ives. 2003. Biodiversity and biocontrol: Emergent impacts of a multi-enemy assemblage on pest suppression and crop yield in an agroecosystem. *Ecology Letters* 6:857-865.
20. **Cardinale, B. J.**, M. A. Palmer, and S. L. Collins. 2002. Species diversity increases ecosystem functioning through interspecific facilitation. *Nature* 415:426-429.

21. Brady, V. J., **B. J. Cardinale**, J. P. Gathman, and T. M. Burton. 2002. Facilitation of recruitment influences the successful restoration of wetland invertebrate assemblages. *Restoration Ecology* 10:617-626.
22. **Cardinale, B. J.**, M. A. Palmer, C. M. Swan, S. Brooks, and N. L. Poff. 2002. The influence of substrate heterogeneity on biofilm metabolism in a stream ecosystem. *Ecology* 83:412-422.
23. Brooks, S., M. A. Palmer, **B. J. Cardinale**, C. Swan, and S. Riblett. 2002. Assessing stream ecosystem rehabilitation: limitations of community structure data. *Restoration Ecology* 10:156-168.
24. **Cardinale, B. J.**, and M. A. Palmer. 2002. Disturbance moderates biodiversity ecosystem function relationships: Evidence from suspension feeding caddisflies in stream mesocosms. *Ecology* 83:1915-1927.
25. **Cardinale, B. J.**, C. S. Smith, and M. A. Palmer. 2001. The influence of initial colonization by hydrosychid caddisfly larvae on the development of stream invertebrate assemblages. *Hydrobiologia* 455:19-27.
26. Stricker, C. A., T. M. Burton, V. J. Brady, **B. J. Cardinale**, and J. P. Gathman. 2001. Invertebrate communities of Great Lakes coastal wetlands, Saginaw Bay, Lake Huron. *Verheine Internationale Verein Limnologie* 27:3440-3443.
27. **Cardinale, B. J.**, K. Nelson, and M. A. Palmer. 2000. Linking species diversity to the functioning of ecosystems: On the importance of environmental context. *Oikos* 91:175-183.
28. **Cardinale, B. J.**, V. J. Brady, and T. M. Burton. 1998. Changes in the abundance and diversity of coastal wetland fauna from the open water/macrophyte edge towards shore. *Wetlands Ecology and Management* 6:59-68.
29. Hassett, R. P., **B. J. Cardinale**, L. B. Stabler, and J. J. Elser. 1997. Ecological stoichiometry of N and P in pelagic ecosystems: Comparison of lakes and oceans with emphasis on the zooplankton-phytoplankton interaction. *Limnology and Oceanography* 42:648-662.
30. **Cardinale, B. J.**, T. M. Burton, and V. J. Brady. 1997. The community dynamics of epiphytic midge larvae across the pelagic-littoral interface: Do animals respond to changes in the abiotic environment? *Canadian Journal of Fisheries and Aquatic Sciences* 54:2314-2322.
31. Brady, V. J., **B. J. Cardinale**, and T. M. Burton. 1995. Zebra mussels in a coastal marsh: The seasonal and spatial limits of colonization. *Journal of Great Lakes Research* 21:587-593.
32. Hassett, R. P., **B. J. Cardinale**, and J. J. Elser. 1993. Comparative N:P stoichiometry in freshwater and marine systems: Relative nutrient limitation determined by dilution bioassays. *Bulletin of the Ecological Society of America* 74:269.

#### *Manuscripts in review*

33. **Cardinale, B. J.**, and A. R. Ives. Effective natural enemy diversity and the biological control of aphids. *Ecology*.
34. Gross, K. and **B. J. Cardinale**. Does species diversity drive ecosystem productivity or vice versa? Towards a unification of the historical and contemporary paradigms. *The American Naturalist*.
35. Duffy, J. E., **B. J. Cardinale**, A. J. Flecker, K. E. France, M. Loreau, P. B. McIntyre, and E. Thebault. The functional role of biodiversity in food webs: Incorporating trophic complexity. *Ecology Letters*.
36. Harvey, C. T., K. J. Forbes, B. J. Cardinale, and A. R. Ives. Impacts of an invasive species that span ecosystems. *Science*.

#### **Research presentations**

##### *Invited seminars & talks*

1. **Cardinale, B. J.** 2007. Effects of biodiversity on the functioning of ecosystems ... one summary of, and vision for a paradigm. Department of Ecology & Evolution, University of California-Davis.
2. **Cardinale, B. J.** 2006. Biodiversity as both a cause and consequence of ecosystem functioning. Institute of Environmental Sciences, University of Zurich, Switzerland.
3. **Cardinale, B. J.** 2006. Effects of biodiversity on the functioning of ecosystems ... towards a food-web perspective. BioMERGE/Diversitas joint symposium on 'The Consequences of Changing Biodiversity - Solutions and Scenarios'. Ascona, Switzerland.

4. **Cardinale, B. J.** 2006. Effects of biodiversity on the functioning of ecosystems: Resolving the disparity between empiricism and theory. Department of Biology, University of Texas, Arlington, TX.
5. **Cardinale, B. J.** 2006. Effects of species diversity on resource capture and community production ... when, why, and who cares? Department of Zoology, University of Oklahoma, Norman, OK.
6. **Cardinale, B. J.** 2006. Biodiversity, ecosystem functioning and scale ... can species be redundant? University of British Columbia, Vancouver, Canada.
7. **Cardinale, B. J.** 2005. Biodiversity, ecosystem functioning and scale ... can species be redundant? DIVERSITAS: 'The next generation of biodiversity and ecosystem functioning research.' Kota Kinabalu, Borneo, Malaysia.
8. **Cardinale, B. J.** 2005. Biodiversity and the functioning of ecosystems. Chaos and Complex Systems Seminar Series, University of Wisconsin – Madison.
9. Tilmon, K. J., **B. J. Cardinale**, C. Harvey, A. Forbes, A. R. Ives. 2005. The role of biodiversity in pea aphid biological control. Entomological Society of America, 52<sup>nd</sup> annual meeting, Salt Lake City, Utah.
10. **Cardinale, B. J.** 2004. The influence of species diversity on ecosystem productivity: When, why, and who cares? Dartmouth College, Department of Biological Sciences.
11. **Cardinale, B. J.** 2004. Key extensions of the debate over biodiversity's role in ecosystem function. University of Chicago, Ecology & Evolution Seminar Series.
12. **Cardinale, B. J.** 2004. Effects of species diversity on ecosystem functioning ... when, why, and who cares? University of North Carolina, Department of Biology.
13. **Cardinale, B. J.** 2004. The influence of species diversity on ecosystem productivity: When, why, and who cares? Indiana University, Department of Biology.
14. **Cardinale, B. J.** 2004. The consequences of extinction for community & ecosystem-level processes. University of California Santa Barbara, Department of Ecology, Evolution, and Marine Biology.
15. **Cardinale, B. J.** 2004. Linking biodiversity to ecosystem processes: When does community form precede function? University of Montana, Division of Biological Sciences.
16. Gross, K., and **B. J. Cardinale.** 2004. On the scope of inference for biodiversity-ecosystem function experiments. Department of Statistics, North Carolina State University.
17. **Cardinale, B. J.**, K. Guslick, S. Langley, K. Erickson, K. J. Tilmon, R. Jameson, K. Paulson, and A. R. Ives. 2002. Biological control of the invasive soybean aphid: Insights from a transplant of natural enemies. Entomological Society of America, 50<sup>th</sup> annual meeting, Ft. Lauderdale, FL.
18. **Cardinale, B. J.**, and M. A. Palmer, 2002. Historical flow regime determines algal diversity-productivity relationships in streams. International Conference on Aquatic Biodiversity and Ecosystem Functioning, Ascona, Switzerland.
19. **Cardinale, B. J.**, 2002. Species diversity & ecosystem functioning ... putting the relationships into context. University of Maryland, Behavior Ecology Evolution & Systematics seminar series.
20. **Cardinale, B. J.**, 2001. Species diversity & ecosystem functioning ... putting the relationships into context. Academy of Natural Sciences, Philadelphia, PA.
21. **Cardinale, B. J.**, 2001. Putting the diversity-function relationship into context. Kellogg Biological Station Seminar Series, Kalamazoo, MI.
22. **Cardinale, B. J.**, and M. A. Palmer. 2000. Relating species diversity to the functioning of ecosystems: On the importance of environmental context. North American Benthological Society 48th annual conference, Keystone CO.
23. **Cardinale, B. J.**, and T. M. Burton. 1995. Habitat coupling is key to understanding the structure and restoration of coastal wetland communities. International Association for Great Lakes Research 38th annual conference, East Lansing MI.

#### *Submitted talks*

24. **Cardinale, B. J.**, A. Downing, E. Duffy, C. Jouseau, M. Sankaran, D. Srivastava, and J. Wright. 2006. Effects of biodiversity on the functioning of ecosystems ... what do the data say? Ecological Society of America 91<sup>st</sup> annual conference, Memphis, TN.
25. **Cardinale, B. J.**, J. J. Weis, K. J. Tilmon, A. E. Forbes, and A. R. Ives. 2005. Biodiversity as both a cause and consequence of resource density. Ecological Society of America 90<sup>th</sup> annual conference, Montreal, Canada.

26. **Cardinale, B.J.** 2005. Does functional redundancy exist? North American Benthological Society 51<sup>st</sup> annual conference, New Orleans, LA.
27. Gross, K., and **B. J. Cardinale.** 2004. On the generality of biodiversity ecosystem function patterns observed in random assembly experiments. Ecological Society of America 89<sup>th</sup> annual conference, Portland, OR.
28. Forbes, A., **B. J. Cardinale,** C. Harvey, M. Helmus, A. R. Ives, K. Tilmon, and C. Williams. 2004. Do ecologists have physics envy? Ecological Society of America 89<sup>th</sup> annual conference, Portland, OR.
29. Harvey, C., A. Forbes, **B. J. Cardinale,** and A. R. Ives. 2004. Impacts of invasive species that span ecosystems. Ecological Society of America 89<sup>th</sup> annual conference, Portland, OR.
30. Engelhardt, K., M. Solan, **B. J. Cardinale,** A. Downing, J. Ruesink, and D. Srivastava. 2004. Extinction scenarios and ecosystem effects in the marine benthos. Ecological Society of America 89<sup>th</sup> annual conference, Portland, OR.
31. Langley, S. L., K. J. Tilmon, **B. J. Cardinale,** and A. R. Ives. 2003. The role of experience in the foraging behavior of *Aphidius ervi*. Entomological Society of America, 51<sup>st</sup> annual meeting, Cincinnati, OH.
32. **Cardinale, B. J.,** A.R.Ives, and P. Incausti. 2003. The effect of species diversity on ecosystem productivity: extending our spatial and temporal scales of inference. Ecological Society of America 88<sup>th</sup> annual conference, Savannah, GA.
33. **Cardinale, B. J.,** M. A. Palmer, S. S. Brooks, and A. R. Ives. 2003. The relationship between diversity and productivity in streams is influenced by the history of hydrologic variation. North American Benthological Society 49<sup>th</sup> annual conference, Athens, GA.
34. **Cardinale, B. J.,** M. A. Palmer, and S. S. Brooks. 2002. Flow history moderates the relationship between algal diversity and productivity in stream ecosystems. Ecological Society of America 87<sup>th</sup> annual conference, Tucson, AZ.
35. **Cardinale, B. J.,** and M. A. Palmer. 2001. An emergent property of species diversity increases resource consumption by suspension feeders in laboratory streams. North American Benthological Society 49<sup>th</sup> annual conference, LaCrosse WI.
36. **Cardinale, B. J.,** and M. A. Palmer. 2000. Relating species diversity to the functioning of ecosystems: On the importance of environmental context. Ecological Society of America 85<sup>th</sup> annual conference, Snowbird UT.
37. Swan, C.S., **B. J. Cardinale,** M. A. Palmer, and S. Brooks. 2000. The influence of habitat heterogeneity on the rates of ecological processes: An experimental assessment in a stream ecosystem. Ecological Society of America 85<sup>th</sup> annual conference, Snowbird UT.
38. **Cardinale, B.J.,** K. Nelson, and M. A. Palmer. 1999. The effects of spatial variation and disturbance on the relationship between species diversity and ecosystem function. Ecological Society of America 84<sup>th</sup> annual conference, Spokane WA.
39. Brady, V. J., **B. J. Cardinale,** J. P. Gathman, and T. M. Burton. 1999. Inoculum alters invertebrate community development in wetland mesocosms. Ecological Society of America 84<sup>th</sup> annual conference, Spokane WA.
40. Palmer, M. A., **B. J. Cardinale,** S. G. Riblett, and C. M. Swan. 1998. Streambed heterogeneity and the restoration of ecosystem structure and function. North American Benthological Society 46<sup>th</sup> annual conference, Prince Edward Island.
41. Smith, C., **B. J. Cardinale,** and M. A. Palmer. 1998. The effects of initial Trichopteran colonizers on the development of benthic communities. North American Benthological Society 46<sup>th</sup> annual conference, Prince Edward Island.
42. Brady, V. J., T. M. Burton, **B. J. Cardinale,** J. Gathman, S. Riffel, and M. Scalabrino. 1998. Invertebrate communities associated with various coastal zone wetland habitats of Saginaw Bay, Lake Huron. North American Benthological Society 46<sup>th</sup> annual conference, Prince Edward Island.
43. **Cardinale, B. J.,** T. M. Burton, and V. J. Brady. 1997. The community dynamics of epiphytic midge larvae across the pelagic-littoral interface: Do animals respond to changes in the abiotic environment? North American Benthological Society 45<sup>th</sup> annual conference, San Marcos TX.

44. Brady, V. J., T. M. Burton, and **B. J. Cardinale**. 1994. Ability of zebra mussels to establish colonies in a Saginaw Bay, Lake Huron, coastal emergent marsh. International Association for Great Lakes Research and Estuarine Research Federation 37th conference, Windsor Ontario.
45. Brady, V. J., T. M. Burton, and **B. J. Cardinale**. 1994. Zebra mussel colonization of Saginaw Bay coastal emergent marshes. Program. Fourth International Zebra Mussel Conference, Madison WI.
46. Brady, V. J., T. M. Burton, and **B. J. Cardinale**. 1994. Zebra mussel (*Dreissena polymorpha* Pallas) colonization and over-wintering in a Saginaw Bay, Lake Huron, Michigan, coastal emergent marsh. Society of Wetland Scientists 15th annual meeting, Portland OR.

### Services & Affiliations

- Member of the *Ecological Society of America*, *American Institute of Biological Sciences*, and the *North American Benthological Society*.
- Member of the long-range planning committee of the *North American Benthological Society*.
- Reviewer of proposals to the National Science Foundation (DEB) and papers submitted to *Science*, *Nature*, *Ecology*, *Oikos*, *Ecology Letters*, *J. Animal Ecology*, *Limnology and Oceanography*, *Freshwater Biology*, *J. Experimental Marine Biology and Ecology*, and *Archiv fur Hydrobiologia*.

### Workshop participation

1. NCEAS (National Center for Ecological Analysis and Synthesis): Trophic structure comparisons across ecosystems. 2005-2006. Jonathan Shurin, Helmut Hillebrand (organizers).
2. Long Term Ecological Research Network Science Strategic Planning Grant. Working Group 2: Alterations to global biodiversity. 2005-2006. National Science Foundation (sponsor).
3. BioMERGE (Biotic Mechanisms of Ecosystem Regulation in the Global Environment) Adaptive Synthesis Workshop IV. Ascona, Switzerland. 2006. Shahid Naeem, Daniel Bunker (organizers).
4. DIVERSITAS (an international program of biodiversity science): 'The Consequences of Changing Biodiversity - Solutions and Scenarios'. Locarno, Switzerland. 2006. Michel Loreau, Andy Hector (organizers).
5. BioMERGE (Biotic Mechanisms of Ecosystem Regulation in the Global Environment) Adaptive Synthesis Workshop III. Borneo, Malaysia. 2005. Shahid Naeem, Daniel Bunker (organizers).
6. DIVERSITAS (an international program of biodiversity science): 'The next generation of biodiversity and ecosystem functioning research.' 2005. Borneo, Malaysia. Michel Loreau, Andy Hector (organizers).
7. BioMERGE (Biotic Mechanisms of Ecosystem Regulation in the Global Environment) Adaptive Synthesis Workshop II. Aquatic Ecosystems Workgroup. St. Louis, MO. 2003. Shahid Naeem, Justin Wright (organizers).
8. First International Conference on Aquatic Biodiversity and Ecosystem Functioning. Ascona, Switzerland. 2002. Mark Gessner, Pablo Inchausti, Lennart Persson, and Dave Raffaelli (organizers).

### Postdoctoral research associates

Danuta Bennett (June 2006 – present)  
 Marc Cadotte (June 2006 – present)

### Students mentored

#### *Doctoral*

Ian Carroll (Sept 2006 to present)  
 Rachel Shulman (Sept 2006 to present)

#### *Undergraduate & high school*

Kristin Aquilino – undergraduate, University of Wisconsin, Madison, WI. “Reciprocal effects of host-plant and natural enemy diversity on herbivore suppression: An empirical study of a model tri-trophic system.” Manuscript published in *Oikos* 2005.  
 Elyssa Gelman – junior, Blair Magnet High School, Silver Spring, MD. “Effects of *Hydropsyche depravata*

- on stream substrate stability.” Research was awarded the Austin T. Brown Technical Communication Scholarship by the Society for Technical Communication, and was included in a manuscript published in *Functional Ecology* 2004.
- Sedonia Johnson – senior, Blair Magnet High School, Silver Spring, MD. “Priority effects and competition for space among stream arthropods: A test of the defender advantage hypothesis.”
- Shaun Langley – undergraduate, University of Wisconsin, Madison, WI. “Learned foraging behavior in the parasitoid wasp, *Aphidius ervi*.” Manuscript published in *Oecologia* 2006.
- Daniel Madrigal – undergraduate, UC-Santa Barbara. “The diversity-function relationship in spatially homogeneous heterogeneous meta-communities.” Manuscript in preparation.
- Daniel Rubin - undergraduate, UC-Santa Barbara. “The functional role of biodiversity in meta-communities: A test of regional dispersal theory.”
- Chris Smith – undergraduate honors student, University of Maryland, College Park, MD. “The identity of initial colonizers influences benthic community assembly in stream ecosystems.” Research was included in published manuscript, *Hydrobiologia* 2001.
- Mathew Stemm – undergraduate, University of Wisconsin, Madison, WI. “Non-additive interactions among three generalist predators.”
- Daniel Swezey – undergraduate, UC-Santa Barbara. “Optimal N:P ratios for various species of freshwater algae.”
- J.J. Weis – undergraduate, University of Wisconsin, Madison, WI. “Biodiversity’s effect on community production – the temporal dynamic.” Manuscript published in *Ecology* 2007.