

Bruce A. Menge
Wayne and Gladys Valley Professor of Marine Biology
OSU Distinguished Professor of Integrative Biology
Oregon State University, Corvallis

CURRICULUM VITAE

PERSONAL

Education:

1965 B. A. Zoology: University of Minnesota, Minneapolis
1970 Ph.D. Zoology: University of Washington, Seattle

Positions:

1970-71 Postdoctoral Fellow (Ford Foundation), University of California, Santa Barbara
1971-76 Assistant Professor, Department of Biology, University of Massachusetts, Boston
1976-79 Assistant Professor, Department of Zoology, Oregon State University, Corvallis
1978-84 Research Associate, Smithsonian Tropical Research Institute, Balboa, Rep. of Panama
1979-85 Associate Professor, Department of Zoology, Oregon State University, Corvallis
1985-2005 Professor, Department of Zoology, Oregon State University, Corvallis
1995-present Wayne and Gladys Valley Professor of Marine Biology, Oregon State University, Corvallis
2005-present OSU Distinguished Professor, Oregon State University, Corvallis
2008-2011 Chairperson, Zoology Department, Oregon State University, Corvallis

Advisors:

Robert T. Paine, PhD, University of Washington, Seattle, 1965-70
Joseph H. Connell and William Murdoch, Postdoctoral, University of California, Santa Barbara (1970-71)

CURRENT TEACHING

Zoology 594 Community Ecology (winter; co-taught, alternate years)
Biology 450 Marine Biology (with 5 others, spring)
Zoology 507C Ecology Seminar (f, w)

PROFESSIONAL ACTIVITIES

Recognition, Honors:

1965 Magna cum laude, Phi Beta Kappa; University of Minnesota
1979 George Mercer Award, Ecological Society of America, (co-recipient), Best Paper in Ecology, 1978.
1990 Keynote Lecturer, Aquatic Section, British Ecological Society, Manchester, England
1991 Elected AAAS Fellow
1994-95 John Simon Guggenheim Fellow
1995 Wayne and Gladys Valley Professor of Marine Biology, OSU
1997-98 F. A. Gilfillan Memorial Award for Excellence in Research, College of Science, Oregon State University
1999 Honorary Degree: Doctor of Science. Long Island University, Southampton College.
2001 Keynote Lecturer, Ecological Society of Japan, Kumamoto, Japan
2002 ISI HighlyCited.com: Included in the 0.5% of the most cited researchers (in Ecology/Evolution) over the past two decades (ISI ceased this feature in 2008)
2005 OSU Distinguished Professor
2009 Nathan Riser Lecturer, Northeastern University, Nahant, MA
2010 Western Society of Naturalists Lifetime Achievement Award
2013 Elected as Fellow of the Ecological Society of America

Professional Service:

- 1985-86 ASZ (American Society of Zoologists), Chairperson-Elect, Ecology Division
1987-88 ASZ, Chairperson, Ecology Division
1988-90 ASZ, Past Chairperson, Ecology Division
1987-88 ESA, Ad hoc Editor
1987-88 ESA, Mercer Award Committee
1988-90 ESA, MacArthur Award Committee
1987 NSF Workshop, Biological Oceanography, "*Nearshore Benthic Marine Ecology*,"
Co-organizer with J. Sutherland
1987 NSF Workshop, Ecology, "*Complex Interactions in Lake Communities*" Invited participant.
1988 NSF/DOE Workshop, Ecology/Ecosystems/Theoretical Ecology, "*Ecology for a Changing Earth*." Invited participant.
1992 SCOPE/AMIGO Workshop, *Comparative Response of Ecosystems to Global Change*.
1993 CoOp Workshop, *Wind-driven transport processes on the U.S. West Coast Shelf*. Portland, Oregon, July.
1994 Benthic Ecology Meetings, Mystic, Connecticut (March 17), Co-organizer, convener and participant in the Sutherland Symposium.
1995 ESA; Judge for Student Papers; Snowbird, Utah (August)
1995-98 ESA; Editorial Board, Subject Matter Editor
1996-97 ASLO; Future of ASLO Committee (declined due to conflict)
1996 IAI/AMIGO/GLOBEC Workshop, Vina del Mar, Chile. "*Near-Shore Ecology of Benthic Invertebrate and Fish Larvae*." (November).
1997-98 Educational Testing Service (ETS), SAT II Biology Test Development Committee
1998-2000 ESA; Awards Committee – Distinguished Service Citation and Eminent Ecologist Subcommittee
2000 PISCO-Mellon Symposium, December 14-19, Corvallis, OR (organizer). "*Dynamics of Pacific Coastal Upwelling Ecosystems*."
2001 ESA; Madison. Session chair.
2002 PISCO-Mellon Workshop: Modeling of Larval Dispersal, 11-13 January, UCSB.
2002 ESA; Tucson. Buell/Braun Awards, judge.
2003 AAAS; Denver. Co-organizer (Menge and Warner) of symposium "Opening the Black Box: Understanding Ecosystem Dynamics in the Coastal Ocean"
2003 ESA; Savannah. Co-organizer (Raimondi and Menge) of symposium "Expanding scales, expanding perspectives: New insights into marine ecosystem dynamics"
2004 ESA; Portland, OR. Co-organizer (Menge and Navarrete) of symposium "Geographical ecology: variation in and control of species interaction intensity over regional and global scales"
2003-2006 National Center for Ecological Analysis and Synthesis: Advisory Board member
2005-present Editorial Board, Journal of Experimental Marine Biology and Ecology
2011 Ad Hoc Editor, Proceedings of the National Academy of Science
2011 Participant, Smithsonian Institution workshop on establishment of a Marine Ecological Research Network (MarineGEO), Annapolis, Md. Nov. 16-17 2011.
2012 International Committee on the Status of Biodiversity Research in the Higher Education System of Israel, Tel Aviv, Israel. April 2012.
2012 International Workshop to Develop an Ocean Acidification Observing Network of Ship Surveys, Moorings, Floats and Gliders. University of Washington, Seattle, June 26-28, 2012.
2013 NSF OCE-PRF (Postdoctoral Research Fellowships) Panel. 15 April 2013.
2013 GOA-ON (Global Ocean Acidification-Observing Network) International Workshop, St. Andrews, Scotland, UK (7-24 to 7-26-2013).
2013 NSF-OAPI (Ocean Acidification PI) Workshop. Washington, DC, September, 2013
2014 Ad Hoc Editor, Proceedings of the National Academy of Science (two separate papers)
2014 ESA Fellow and ESA Junior Fellow Committee

Advisory Positions:

- 1973-1995 Friday Harbor Laboratory Advisory Board
1994-2000 Sustainable Ecosystems Institute, Portland, OR. (Board of Directors)

1995-1999	Organization for Tropical Studies (OTS) Board of Directors
2003-2006	Science Advisory Board, National Center for Ecological Analysis and Synthesis
2009-2012	Science Advisory Board, COMPASS (Communication Partnership for Science and the Sea)
2009-2012	Board of Science Advisors, Schmidt Research Vessel Institute (SRVI) and Marine Science and Technology Foundation (MSTF), Alameda, CA

Wedding Officiant services:

1996	Gary Allison and Rebecca Mansfield, Gleneden Beach, Oregon
1997	Sergio Navarrete and Evie Wieters, Corvallis, Oregon
2004	Tess Freidenburg and Michael Webster, Corvallis, Oregon
2008	Joe Tyburczy and Karen Kiemnec, Otter Rock, Oregon

PUBLICATIONS:

Web of Science H-index = 48 (10,788 total citations, 250.10/year, 89.9/item)

Google Scholar H-index = 54 (14,587 total citations, 355.78/year, 108.05/item)

Papers (135 total):

- 1972a. **Menge, B.A.** Foraging strategy of a starfish in relation to actual prey availability and environmental predictability. *Ecological Monographs* **42**:25-50.
- 1972b. **Menge, B.A.** 1972b. Competition for food between two intertidal starfish and its effect on body size and feeding. *Ecology* **53**:635-644.
1973. **Menge, B.A.** Effect of predation and environmental patchiness on the body size of a tropical pulmonate limpet. *Veliger* **16**:87-92.
- 1974a. **Menge, B.A.** Effects of wave action and competition on brooding and reproductive effort in a rocky intertidal starfish, *Leptasterias hexactis*. *Ecology* **55**:84-93.
- 1974b. Menge, J.L. and **B.A. Menge**. Role of resource allocation, aggression, and spatial heterogeneity in coexistence of two competing intertidal starfish. *Ecological Monographs* **44**:189-209.
1975. **Menge, B.A.** Brood or broadcast? The adaptive significance of different reproductive strategies in the two intertidal seastars *Leptasterias hexactis* and *Pisaster ochraceus*. *Marine Biology* **31**:87-100.
- #1976a. **Menge, B.A.** and J.P. Sutherland. Species diversity gradients: synthesis of the roles of predation, competition, and temporal heterogeneity. *American Naturalist* **110**:351-369. [A "Citation Classic;" see below]
- #1976b. **Menge, B.A.** Organization of the New England rocky intertidal community: role of predation, competition, and environmental heterogeneity. *Ecological Monographs* **46**:355-393.
1977. **Menge, B.A.** Ecological implications of patterns of rocky intertidal community structure and behavior along an environmental gradient. pp. 155-180. In: J.D. Costlow (ed.), "*Ecology of Fouling Communities*," Navy Printing Office.
- 1978a. **Menge, B.A.** Predation intensity in a rocky intertidal community: relation between predator foraging activity and environmental harshness. *Oecologia* **34**:1-16.
- 1978b. **Menge, B.A.** Predation intensity in a rocky intertidal community: effect of an algal canopy, wave action and desiccation on predator feeding rates. *Oecologia* **34**:17-35.
- 1978c. Lubchenco, J. and **B.A. Menge**. Community development and persistence in a low rocky intertidal zone. *Ecological Monographs* **48**:67-94. (Mercer Award Winner, 1979). [Reprinted in: Readings in Marine Ecology, 2nd ed., J.W. Nybakken, ed. (1985).]
1979. **Menge, B.A.** Coexistence between the seastars *Asterias vulgaris* and *A. forbesi* in a heterogeneous environment: a non-equilibrium explanation. *Oecologia (Berlin)* **41**:245-272.
1981. **Menge, B.A.** and J. Lubchenco. Community organization in temperate and tropical rocky intertidal habitats: prey refuges in relation to consumer pressure gradients. *Ecological Monographs* **51**:429-450.
- 1982a. **Menge, B.A.** Reply to a comment by Edwards et al. *Ecology* **63**:1180-1184.
- 1982b. **Menge, B.A.** Effect of feeding on the environment: Asteroidea, pp. 521-551 In: "*Echinoderm Nutrition*," M. Jangoux and J.M. Lawrence, (eds.) A.A. Balkema, Rotterdam, The Netherlands.
- 1983a. **Menge, B.A.** Components of predation intensity in the low zone of the New England rocky intertidal community. *Oecologia (Berlin)* **58**:141-155.
- 1983b. **Menge, B.A.**, L.R. Ashkenas and A. Matson. Use of artificial holes in studying community development in cryptic marine habitats in a tropical rocky intertidal region. *Marine Biology* **77**:129-142.

19. 1984. Lubchenco, J., **B.A. Menge**, S.D. Garrity, P.J. Lubchenco, L.R. Ashkenas, S.D. Gaines, R. Emlet, J. Lucas and S. Strauss. Structure, persistence and role of consumers in a tropical rocky intertidal community (Taboguilla Island, Bay of Panama). *Journal of Experimental Marine Biology and Ecology* **78**:23-73.
20. 1985a. **Menge, B.A.**, J. Lubchenco, and L.R. Ashkenas. Diversity, heterogeneity and consumer pressure in a tropical rocky intertidal community. *Oecologia (Berlin)* **65**:395-405.
21. 1985b. **Menge, B.A.** Starfishes: Effect on benthic communities. pp. 152-153 *In: Yearbook of Science and Technology*, 5th ed. McGraw-Hill, NY (Article)
22. 1986a. **Menge, B.A.**, J. Lubchenco, S.D. Gaines and L.R. Ashkenas. A test of the Menge-Sutherland model of community organization in a tropical rocky intertidal food web. *Oecologia (Berlin)* **71**:75-89.
23. 1986b. **Menge, B.A.** J. Lubchenco, L.R. Ashkenas, and F.L. Ramsey. Experimental separation of effects of consumers on sessile prey on a rocky shore on the Bay of Panama: direct and indirect consequences of food web complexity. *Journal of Experimental Marine Biology and Ecology* **100**:225-269.
24. 1986c. **Menge, B.A.** A preliminary study of the reproductive ecology of the seastar *Asterias vulgaris* and *A. forbesi* in New England. *Bulletin of Marine Science* **39**:467-476.
25. #1987. **Menge, B.A.** and J.P. Sutherland. Community regulation: variation in disturbance, competition, and predation in relation to gradients of environmental stress and recruitment. *American Naturalist* **130**:730-757.
26. 1988. Lodge, D.M., J.W. Barko, D. Strayer, J.N. Melack, G.G. Mittelbach, R.W. Howarth, **B.A. Menge**, and J.E. Titus. Spatial heterogeneity and habitat interactions in lake communities. In: S.R. Carpenter (ed.) "Complex Interactions in Lake Communities," pp. 181-208, Springer-Verlag, New York.
27. 1989a. **Menge, B.A.** and T.M. Farrell. Community structure and interaction webs in shallow marine hard-bottom communities: tests of an environmental stress model. *Advances in Ecological Research* **18**: 189-262.
28. 1989b. **Menge, B.A.** This Week's Citation Classic: Predation, competition and community regulation. In *Current Contents: Agric., Biol., and Env. Sci.* **20**:16 and *Current Contents: Social and Beh. Sci.* **21**:16. (Article).
29. 1989c. Eckman, J.E., J.S. Levinton, **B.A. Menge**, C.H. Peterson, J.W. Porter, and J.P. Sutherland. A Coastal Initiative (COAST). Report of a Workshop on Nearshore Benthic Marine Ecology. *Bulletin of the Ecological Society of America* **70**:204-207.
30. 1990. **Menge, B.A.** and A.M. Olson. Role of scale and environmental factors in regulation of community structure. *Trends in Ecology and Evolution* **5**:52-57.
31. 1991a. **Menge, B.A.** Relative importance of recruitment and other causes of variation in rocky intertidal community structure. *Journal of Experimental Marine Biology and Ecology* **146**:69-100.
32. 1991b. Hixon, M.A. and **B.A. Menge**. Species diversity: prey refuges modify the interactive effects of predation and competition. *Theoretical Population Biology* **39**:178-200.
33. 1991c. **Menge, B.A.** Generalizing from experiments: Is predation strong or weak in New England rocky intertidal? *Oecologia* **88**:1-8.
34. 1992. **Menge, B.A.** Community regulation: under what conditions are bottom-up factors important on rocky shores? *Ecology* **73**:755-765.
35. 1993a. **Menge, B.A.**, T.M. Farrell, A.M. Olson, P. VanTamelen and T. Turner. Algal recruitment and the maintenance of a plant mosaic in the low intertidal region on the Oregon coast. *Journal of Experimental Marine Biology and Ecology* **170**:91-116.
36. 1993b. Lubchenco, J. and **B.A. Menge**. Split positions can provide a "sane track:" a personal account. *Bioscience* **43**:243-248.
37. 1993c. **Menge, B.A.**, R.T. Paine, and C. Moreno. Resolution of respect: John Patrick Sutherland 1942-1993. *Bulletin of the Ecological Society of America* **74**:275-277. (article)
38. #1994. **Menge, B.A.**, E.L. Berlow, C.A. Blanchette, S.A. Navarrete and S.B. Yamada. The keystone species concept: variation in interaction strength in a rocky intertidal habitat. *Ecological Monographs* **64**:249-286.
39. #, *, ***1995a. **Menge, B. A.** Indirect effects in marine intertidal interaction webs: patterns and importance. *Ecological Monographs* **65**: 21-74.
40. 1995b. **Menge, B. A.** Joint "bottom-up" and "top-down" regulation of rocky intertidal algal beds in South Africa. *Trends in Ecology and Evolution* **10**:431-432.
41. 1995c. Lubchenco, J., G. W. Allison, S. A. Navarrete, **B. A. Menge**, J. C. Castilla, O. Defeo, C. Folke, O. Kussakin, T. A. Norton and A. M. Wood. Biodiversity and Ecosystem Functioning: Ecosystem Analyses,

- Coastal Systems. pp. 370-381 In: *Global Biodiversity Assessment*, United Nations Environment Program, Cambridge Univ. Press, Cambridge, UK.
42. 1995d. Power, M.E., D. Tilman, S. R. Carpenter, N. Huntly, M. Leibold, P. Morin, **B. A. Menge**, J. A. Estes, P. R. Ehrlich, M. Hixon, D. M. Lodge, M. A. McPeck, J. E. Fauth, D. Reznick, L. B. Crowder, S. J. Holbrook, B. L. Peckarsky, D. E. Gill, J. Antonovics, G. A. Polis, D. B. Wake, G. Orians, E. D. Ketterson, E. Marschall, and S. P. Lawler. The role of experiments in ecology. *Science* 270:561.
 43. 1996a. **Menge, B. A.**, B. A. Daley and P. A. Wheeler. Control of interaction strength in marine benthic communities. pp. 258-274 In: *Food Webs: Integration of Pattern and Dynamics*, G. A. Polis and K. O. Winemiller, eds., Chapman and Hall, New York.
 44. 1996b. Persson, L., J. Bengtsson, **B. A. Menge** and M.E. Power. Productivity and consumer regulation - concepts, patterns, and mechanisms. pp. 396-434 In: *Food webs: integration of pattern and dynamics*, G. A. Polis and K. O. Winemiller, editors. Chapman and Hall, N.Y.
 45. 1996c. Polis, G. A., R. D. Holt, **B. A. Menge**, and K. O. Winemiller. Time, space, and life history: influences on food webs. pp. 435-460 In: *Food webs: integration of pattern and dynamics*, G. A. Polis and K. O. Winemiller, editors. Chapman and Hall, N.Y.
 46. 1996d. Abrams, P., **B. A. Menge**, G. G. Mittelbach, D. A. Spiller, and P. Yodzis. The role of indirect effects in food webs. pp. 371-395 In: *Food webs: integration of pattern and dynamics*, G. A. Polis and K. O. Winemiller, editors. Chapman and Hall, N.Y.
 47. #1996e. Power, M. E., D. Tilman, J. Estes, **B. A. Menge**, W. J. Bond, L. S. Mills, G. Daily, J. C. Castilla, J. Lubchenco, and R. T. Paine. Challenges in the quest for keystones. *Bioscience* 46: 609-620.
 48. 1996f .Navarrete, S. A. & **B. A. Menge**. Keystone predation and interaction strength: interactive effects of predators on their main prey. *Ecological Monographs* 66: 409-429.
 49. #1996g. Caley, M. J., M. H. Carr, M. A. Hixon, T. P. Hughes, G. P. Jones, and **B. A. Menge**. Recruitment and the local dynamics of open marine populations. *Annual Reviews of Ecology and Systematics* 27:477-500.
 50. 1996h. Allison, G. W., **B. A. Menge**, J. Lubchenco, and S. A. Navarrete. Predictability and uncertainty in community regulation: consequences of reduced consumer diversity in coastal rocky ecosystems. In H. A. Mooney, J. H. Cushman, E. Medina, O. E. Sala and E.-D. Schulze (eds.), *Functional Roles of Biodiversity: A Global Perspective*, John Wiley and Sons, Ltd, UK.
 51. 1996i. Dahlhoff, E. P. and **B. A. Menge**. Influence of phytoplankton concentration and wave exposure on the ecophysiology of the California mussel *Mytilus californianus*. *Marine Ecology Progress Series* 144:97-107.
 52. 1997a. **Menge, B. A.**, B. Daley, P. A. Wheeler and P. T. Strub. Rocky intertidal oceanography: an association between community structure and nearshore phytoplankton concentration. *Limnology and Oceanography* 42:57-66.
 53. 1997b. **Menge, B. A.** Detection of indirect effects: were experiments in rocky intertidal interaction webs long enough? *American Naturalist* 149:801-823.*
 54. 1997c. Navarrete, S. A. and **B. A. Menge**. The body size-population density relationship in tropical rocky intertidal communities. *Journal of Animal Ecology* 66:557-566.
 55. 1997d. **Menge, B. A.**, B. A. Daley, P. A. Wheeler, E. Dahlhoff, E. Sanford and P. T. Strub. Benthic-pelagic links and rocky intertidal communities: bottom-up effects on top-down control? *Proceedings of the National Academy of Sciences, USA* 94:14530-14535.
 56. 1999a. Berlow, E. L., S. A. Navarrete, C. J. Briggs, M. E. Power, and **B. A. Menge**. Quantifying variation in the strengths of species interactions. *Ecology* 80:2206-2224.
 57. 1999b. **Menge, B. A.**, B. A. Daley, J. Lubchenco, E. Sanford, E. Dahlhoff, P. M. Halpin, G. Hudson, and J. Burnaford. Top-down and bottom-up regulation of New Zealand rocky intertidal communities. *Ecological Monographs* 69: 297-330.
 58. 2000a. **Menge, B. A.** Recruitment vs. post-recruitment processes as determinants of barnacle population abundance on Oregon rocky shores. *Ecological Monographs* 70:265-288.
 59. 2000b. **Menge, B. A.** Testing the relative importance of positive and negative direct effects on community structure. *Trends in Ecology and Evolution* 15:46-47.
 60. 2000c. Navarrete, S. A., **B. A. Menge**, and B. A. Daley. Species interactions in a rocky intertidal food web: prey or predation regulation of intermediate predators? *Ecology* 81:2264-2277.
 61. 2000d. **Menge, B. A.** Top-down and bottom-up regulation of marine rocky intertidal communities. *Journal of Experimental Marine Biology and Ecology* 250:257-289.

62. 2000e. Davis-Born, R., J. Lubchenco, **B. Menge**, G. Allison, B. Grantham, P. Halpin, and C. Schoch. PISCO: A long-term ecological consortium studying the influence of nearshore oceanography on coastal marine communities. Proceedings of the 2000 Conference of The Coastal Society.
63. 2001a. **Menge, B. A.** and G. M. Branch. Rocky intertidal communities. Pp. 221-251 in *Marine Community Ecology*, edited by M. D. Bertness, S. D. Gaines, and M. Hay. Sinauer Associates, Sunderland, MA.
64. 2001b. Sanford, E. and **B. A. Menge**. Spatial and temporal variation in barnacle growth in a coastal upwelling system. *Marine Ecology Progress Series* **209**: 143-157.
65. 2001c. **Menge, B. A.** and T. L. Freidenburg. Keystone species. Pp. 613-631 in *Encyclopedia of Biodiversity*, S. A. Levin, editor-in-chief. Academic Press, New York, NY.
66. 2001d. **Menge, B. A.** and J. Lubchenco. On the genesis of “Community development and persistence in a low rocky intertidal zone” (*Ecological Monographs* **48**: 67-94, the 1979 Mercer Award Winner) by Jane Lubchenco and Bruce A. Menge. *Bulletin of the Ecological Society of America* **82**:124-125.
67. 2001e. Connolly, S. R., **B. A. Menge**, and J. Roughgarden. A latitudinal gradient in recruitment of intertidal invertebrates in the northeast Pacific Ocean. *Ecology* **82**: 1799-1813.
68. 2001f. Dahlhoff, E. P., B. B. Buckley, and **B. A. Menge**. Physiology of the rocky intertidal predator *Nucella ostrina* along an environmental stress gradient. *Ecology* **82**: 2816-2829.
69. 2002a. **Menge, B. A.**, E. Sanford, B. A. Daley, T. L. Freidenburg, G. Hudson, and J. Lubchenco. An interhemispheric comparison of bottom-up effects on community structure: insights revealed using the comparative-experimental approach. *Ecological Research* **17**: 1-16.
70. 2002b. **Menge, B. A.**, A. M. Olson, and E. Dahlhoff. Environmental stress, bottom-up effects, and community dynamics: integrating molecular-physiological with ecological approaches. *Integrative and Comparative Biology* **42**:892-908.
71. 2002c. Halpin, P. M., C. Sorte, G. E. Hofmann, and **B. A. Menge**. Patterns of variation in levels of Hsp 70 in natural rocky shore populations from microscales to mesoscales. *Integrative and Comparative Biology* **42**:815-824.
72. 2002d. Dahlhoff, E. P., J. Stillman, and **B. A. Menge**. Physiological community ecology: variation in metabolic activity of ecologically important rocky intertidal invertebrates along environmental gradients. *Integrative and Comparative Biology* **42**:862-871.
73. 2003a. **Menge, B. A.** The overriding importance of environmental context in determining the consequences of species deletion experiments. Pp. 16-43 in S. A. Levin, P. Kareiva, editors. *The Importance of Species: Perspectives on Expendability and Triage*. Princeton University Press, Princeton, NJ.
74. 2003b. Guichard, F., G.W. Allison, P. Halpin, J. Lubchenco, **B. Menge**. Mussel disturbance dynamics: Signatures of oceanographic forcing from local interactions. *American Naturalist* **161**: 889-904.
75. 2003c. **Menge, B. A.**, M. Bracken, M. Foley, T. Freidenburg, G. Hudson, C. Krenz, H. Leslie, J. Lubchenco, R. Russell, and S. D. Gaines. Coastal oceanography sets the pace of rocky intertidal community dynamics. *Proceedings of the National Academy of Sciences, USA* **100**: 12229-12234.
76. 2004a. **Menge, B. A.** Bottom-up:top-down determination of rocky intertidal shorescape dynamics. Pages 62-81 In G. A. Polis, M. E. Power, and G. Huxel, eds. *Food webs at the landscape level*. University of Chicago Press, Chicago, IL.
77. 2004b. Grantham, B. A., F. T. Chan, K. J. Nielsen, D. Fox, J. Barth, A. Huyer, J. Lubchenco, and **B. A. Menge**. Upwelling-driven nearshore hypoxia signals ecosystem and oceanographic changes in the northeast Pacific. *Nature* **429**:749-754.
78. 2004c. **Menge, B. A.**, C. Blanchette, P. Raimondi, S. Gaines, J. Lubchenco, D. Lohse, G. Hudson, M. Foley, and J. Pamplin. Species interaction strength: testing model predictions along an upwelling gradient. *Ecological Monographs* **74**:663-684.
79. 2004d. Halpin, P. M., **B. A. Menge** and G. E. Hofmann. Experimental demonstration of plasticity in the heat-shock response of the intertidal mussel *Mytilus californianus* (Conrad). *Marine Ecology Progress Series* **276**:137-145.
80. 2005a. **Menge, B. A.**, G. W. Allison, C. A. Blanchette, T. M. Farrell, A. M. Olson, T. Turner, and P. van Tamelen. Stasis or kinesis? Hidden dynamics of a rocky intertidal macrophyte mosaic revealed by a spatially-explicit approach. *Journal of Experimental Marine Biology and Ecology* **314**:3-39. (Invited, as first *Monograph in Experimental Marine Biology and Ecology*)

81. 2005b. Leslie, H. M., E. Breck, F. Chan, J. Lubchenco and **B. A. Menge**. Hotspots of barnacle reproduction associated with nearshore ocean conditions. *Proceedings of the National Academy of Sciences, USA* 102: 10534-10539.
82. 2005c. Kirincich, A. R., J. A. Barth, B. A. Grantham, J. Lubchenco and **B. A. Menge**. Wind-driven inner-shelf circulation off central Oregon during summer. *Journal of Geophysical Research* 110: C10S03, doi:10.1029/2004JC002611, 2005.
83. 2006a. Nielsen, K.J., C. A. Blanchette, **B. A. Menge**, and J. Lubchenco. Physiological snapshots reflect ecological performance of the sea palm, *Postelsia palmaeformis* (Phaeophyceae) across intertidal elevation and exposure gradients. *J. Phycology* 42:548-559.
84. 2006b. Russell, R., S. A. Wood, G. W. Allison, and **B. A. Menge**. Scale, environment, and trophic status: The context-dependence of community saturation in rocky intertidal communities. *American Naturalist* 164:E158-E170.
85. 2006c. Schoch, G. C., **B. A. Menge**, G. W. Allison, M. Kavanaugh, and S. Wood. Fifteen degrees of separation: latitudinal gradients of rocky intertidal biota along the California Current. *Limnology and Oceanography* 51: 2564-2585.
86. 2006d. Helmuth, B., B. Broitman, C. A. Blanchette, S. Gilman, P. Halpin, C. D. G. Harley, M. O'Donnell, G. E. Hofmann, **B. A. Menge** and D. Strickland. Mosaic patterns of thermal stress in the Northeastern Pacific rocky intertidal zone: implications for climate change. *Ecol. Monogr.* 76:461-479.
87. 2007a. Webster, M., J. Osborne-Gowey, T. Young, T. Freidenburg, and **B. A. Menge**. Persistent regional variation in populations of a tidepool fish. *J. Experimental Marine Biology and Ecology* 346: 8-20.
88. #2007b. Barth, J. A., **B. A. Menge**, J. Lubchenco, F. Chan, J. M. Bane, A. R. Kirincich, M. A. McManus, K. J. Nielsen, S. D. Pierce, and L. Washburn. Delayed upwelling alters nearshore coastal ocean ecosystems in the northern California Current. *Proceedings of the National Academy of Sciences, USA* 104: 3719-3724.
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91. 2007e. Petes, L., **B. A. Menge**, and G. Murphy. Intertidal stress decreases survival, growth, and reproduction in New Zealand mussels. *J. Experimental Marine Biology and Ecology* 351: 83-91.
92. 2007f. Sanford, E. D. and **B. A. Menge**. Reproductive output and consistency of source populations in the sea star *Pisaster ochraceus*. *Marine Ecology Progress Series* 349:1-12.
93. **2008a. **Menge, B. A.**, F. Chan, and J. Lubchenco. Response of a community dominant to climate patterns in rocky intertidal ecosystems. *Ecology Letters* 11:151-162.
94. #2008b. Chan, F., J. A. Barth, J. Lubchenco, A. Kirincich, H. Weeks, W. T. Peterson and **B. A. Menge**. Novel emergence of anoxia in the California Current System. *Science* 319: 920.
95. 2008c. Wieters, E., S. D. Gaines, S. A. Navarrete, C. A. Blanchette, and **B. A. Menge**. Scales of dispersal and the biogeography of marine predator-prey interactions. *American Naturalist* 171:405-417.
96. 2008d. **Menge, B. A.** Marine food webs: conceptual development of a central research paradigm. Pp. 3-28 in T. R. McClanahan and G. M. Branch, eds. Food webs and the dynamics of marine benthic ecosystems: a global overview. Oxford University Press, Oxford, England, UK.
97. 2008e. Navarrete, S. A., B. R. Broitman, and **B. A. Menge**. Inter-hemispheric comparison of recruitment to rocky intertidal communities: pattern persistence and scales of variation. *Ecology* 89:1308-1322.
98. 2008f. Petes, L., M. Mouchka, R. Milston-Clements, T. Momoda, and **B. A. Menge**. Effects of environmental stress on intertidal mussels and their sea star predators. *Oecologia* 156:671-680.
99. 2008g. Rilov, G., S. Dudas, **B. A. Menge**, B. Grantham, J. Lubchenco and D. Schiel. The surf zone: a semi-permeable barrier to shoreward transport of invertebrate larvae. *J. Exp. Mar. Biol. Ecol.* 361:59-74.
100. 2008h. Petes, L.E., **B. A. Menge**, F. Chan, and M. Webb. Gonadal tissue color is not a reliable indicator of sex in rocky intertidal mussels. *Aquatic Biology* 3:63-70.
101. 2008i. Petes, L. E., **B. A. Menge**, and A. L. Harris. Intertidal mussels exhibit energetic trade-offs between reproduction and stress resistance. *Ecological Monographs* 78:387-402.
102. 2008j. Broitman, B., C. Blanchette, **B. A. Menge**, J. Lubchenco, P. A. Raimondi, C. Krenz, M. Foley, D. Lohse and S. D. Gaines. Spatial and temporal patterns of recruitment of intertidal invertebrates along the U.S. West coast. *Ecological Monographs* 78:403-421.

103. 2009a. Kavanaugh, M. T., **B. A. Menge**, K. J. Nielsen, F. T. Chan, and R. M. Letelier. Experimental assessment of the effects of shade on an intertidal kelp: Do phytoplankton blooms inhibit growth of open-coast macroalgae? *Limnology and Oceanography* **54**:276-288.
104. 2009b. Dudas, S. E., Grantham, B. A., Kirincich, A.R., **Menge, B.A.**, Lubchenco, J. and J.A. Barth. Current reversals as determinants of intertidal recruitment on the central Oregon coast. *ICES Journal of Marine Science* **66**:396-407.
105. 2009c. Guerry, A. D., **B. A. Menge** and R. Dunmore. Effect of consumers and enrichment on abundance and diversity of benthic algae in a rocky intertidal community. *Journal of Experimental Marine Biology and Ecology* **369**:155-164.
106. 2009d. **Menge, B. A.**, F. Chan, S. Dudas, D. Eerkes-Medrano, K. Grorud-Colvert, K. Heiman, M. Hessing-Lewis, A. Iles, R. Milston-Clements, M. Noble, K. Page-Albins, E. Richmond, G. Rilov, J. Rose, J. Tyburczy, L. Vinueza and P. Zarnetske. Do terrestrial ecologists ignore aquatic literature? *Frontiers in Ecology and the Environment* **7**:182-183.
107. ***2009e. **Menge, B. A.**, F. Chan, K. J. Nielsen, E. Di Lorenzo and J. Lubchenco. Climatic variation alters supply-side ecology: impact of climate patterns on mussel recruitment. *Ecological Monographs* **79**: 379-395.
108. 2009f. **Menge, B. A.**, F. Chan, S. Dudas, D. Eerkes-Medrano, K. Grorud-Colvert, K. Heiman, M. Hessing-Lewis, A. Iles, R. Milston-Clements, M. Noble, K. Page-Albins, E. Richmond, G. Rilov, J. Rose, J. Tyburczy, L. Vinueza and P. Zarnetske. Terrestrial ecologists ignore aquatic literature: asymmetry in citation breadth in ecological publications and implications for generality and progress in ecology. *Journal of Experimental Marine Biology and Ecology* **377**:93-100.
109. 2009g. Dudas, S.E., Rilov, G. Tyburczy, J.A., **Menge, B.A.** and J. Lubchenco. Linking larval abundance, onshore supply and settlement: an assessment of instantaneous and integrated methods. *Marine Ecology Progress Series* **387**:81-95.
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111. 2010a. Gouhier, T., F. Guichard, and **B. A. Menge**. Ecological processes can synchronize marine population dynamics over continental scales. *Proceedings of the National Academy of Science, USA* **107**:8281-8286.
112. 2010b. **Menge, B. A.**, M. M. Foley, J. Pamplin, G. Murphy, and C. Pennington. Supply-side ecology, barnacle recruitment, and rocky intertidal community dynamics: do settlement surface and limpet disturbance matter? *Journal of Experimental Marine Biology and Ecology* **392**:160-175.
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114. 2011a. McPhee-Shaw, E., K. J. Nielsen, J. Largier, and **B. A. Menge**. Nearshore chlorophyll-a events and wave-driven transport. *Geophysical Research Letters* **38**: L02604, doi:10.1029/2010GL045810, 2011.
115. 2011b. **Menge, B. A.**, T. Gouhier, T. Freidenburg, and J. Lubchenco. Linking long-term, large-scale climatic and environmental variability to patterns of marine invertebrate recruitment: Toward explaining "unexplained" variation. *Journal of Experimental Marine Biology and Ecology* **400**:236-249.
116. 2011c. **Menge, B. A.**, S. Hacker, T. Freidenburg, J. Lubchenco, R. Craig, G. Rilov, M. Noble, and E. Richmond. Potential impact of climate-related changes is buffered by differential responses to recruitment and interactions. *Ecological Monographs* **81**:493-509.
117. 2011d. Hessing-Lewis, M. L., S. D. Hacker, **B. A. Menge**, and S. Rumrill. Context-dependent eelgrass-macroalgae interactions along an estuarine gradient in the Pacific Northwest, USA. *Estuaries and Coasts* **34**:1169-1181. DOI 10.1007/s12237-011-9412-8.
118. 2011e. Barshis, D. J., E. E. Sotka, R. P. Kelly, A. Sivasundar, **B. A. Menge**, J. A. Barth, and S. R. Palumbi. Coastal upwelling is linked to temporal genetic variability in the acorn barnacle *Balanus glandula*. *Marine Ecology Progress Series* **439**:139-150.
119. 2011f. Krenz, C. J., **B. A. Menge**, T. L. Freidenburg, J. Lubchenco, F. Chan, M. M. Foley, and K. J. Nielsen. Ecological subsidies to rocky intertidal communities: linear or non-linear transitions along an upwelling gradient? *Journal of Experimental Marine Biology and Ecology* **409**:361-370.

120. 2011g. Gouhier, T. C., **B. A. Menge**, and S. D. Hacker. Recruitment facilitation can promote coexistence and buffer population growth in metacommunities. *Ecology Letters* **14**:1201-1210. doi: 10.1111/j.1461-0248.2011.01690.x.
121. 2011h. **Menge, B. A.** Northern California Current. Pp. 325-328 in Encyclopedia for Climate and Weather, Second Edition. S. Schneider, editor in chief. Oxford University Press, Oxford, UK.
122. 2012a. Place, S. P., **B. A. Menge**, and G. E. Hofmann. Transcriptome profiling of environmental and physiological linkages in complex ecosystems. *Functional Ecology* **26**:144-155. doi: 10.1111/j.1365-2435.2011.01924.x.
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124. 2012c. Kefi, S., E. L. Berlow, E. A. Wieters, S. A. Navarrete, O. L. Petchey, S. A. Wood, A. Boit, L. N. Joppa, K. D. Lafferty, R. J. Williams, N. D. Martinez, **B. A. Menge**, C. A. Blanchette, A. Iles, and U. Brose. More than a meal ... integrating non-feeding interactions into food webs. *Ecology Letters* **15**:291-300. doi:10.1111/j.1461-0248.2011.01732.x.
125. 2012d. Woodson, C. B., M. A. McManus, J. Tyburczy, J. A. Barth, L. Washburn, J. E. Caselle, M. H. Carr, D. P. Malone, P. T. Raimondi, **B. A. Menge**, and S. R. Palumbi. Coastal fronts set recruitment and connectivity patterns across multiple taxa. *Limnology and Oceanography* **57**:582-596. doi: 10.4319/lo.2012.57.2.0000.
126. 2012e. Bracken, M. E. S., **B. A. Menge**, M. M. Foley, C. J. B. Sorte, J. Lubchenco and D. R. Schiel. Phytoplankton availability drives energy inputs into open-coast intertidal ecosystems. *Marine Ecology Progress Series* **459**:53-62.
127. 2013a. **Menge, B. A.** and E. Sanford. Ecological role of sea stars from populations to meta-ecosystems. Pages 67-80 in J. M. Lawrence, ed. Asteroidea: Biology and Ecology of Starfish. Johns Hopkins University Press, Baltimore, MD.
128. 2013b. **Menge, B. A.**, T. L. Freidenburg and A. Iles. Keystone species. In: Levin, S. A. (ed.), *Encyclopedia of Biodiversity, 2nd Edition*, Volume 4, pp. 442-457. Waltham, MA: Academic Press.
129. 2013c. Eerkes-Medrano, D., **B. A. Menge**, C. Langdon, and C. Sislak. Differential effects of hypoxic conditions on survival of planktonic larvae of rocky intertidal invertebrates. *Marine Ecology Progress Series* **478**:139-151.
130. &2013d. **Menge, B. A.** and D. N. L. Menge. Dynamics of coastal meta-ecosystems: the intermittent upwelling hypothesis and a test in rocky intertidal regions. *Ecological Monographs* **83**:283-310.
131. 2013e. Gouhier, T. C., F. Guichard, and **B. A. Menge**. Designing effective reserve networks for non-equilibrium metacommunities. *Ecological Applications* **23**: 1488-1503.
132. 2013f. Evans, T. G., F. Chan, **B. A. Menge**, and G. E. Hofmann. Resistance to CO₂-driven seawater acidification in larval purple sea urchins. *Molecular Ecology* **22**:1609-1625.
133. 2013g. Pespeni, M. H., F. Chan, **B. A. Menge**, and S. R. Palumbi. 2013. Signs of adaptation to local pH conditions across an environmental mosaic in the California Current ecosystem. *Int. Comp. Biol.* doi:10.1093/icb/ict094.
134. 2014a. Hofmann, G. E., T.G Evans, M.W. Kelly, J.L. Padilla-Gamino, C.A. Blanchette, L. Washburn, F. Chan, M.A. McManus, **B.A. Menge**, B. Gaylord, T.M. Hill, E. Sanford, M. LaVigne, J.M. Rose, L. Kapsenberg, and J.M. Dutton. Exploring local adaptation and the ocean acidification seascape – studies in the California Current Large Marine Ecosystem. *Biogeosciences* **11**:1053-1064.
135. 2014b. Vinuela, L. R., **B. A. Menge**, D. Ruiz, and D. Palacios. Oceanographic and climate-driven variation in top-down/bottom-up coupling in rocky intertidal meta-ecosystems in the Galapagos Archipelago. *Ecological Monographs* (in press).
136. 2014c. **Menge, B. A.** A journey towards rocky intertidal meta-ecosystem ecology. (in press). Invited essay in, C. Hurd, P. J. Harrison, K. Bischof, and C. S. Lobban, *Seaweed Ecology and Physiology*, 2nd edition. Cambridge University Press, Cambridge, UK.
137. 2014d. Fenberg, P. B., **B. A. Menge**, P. T. Raimondi, and M. M. Rivadineira. Biogeographic structure of the northeastern Pacific rocky intertidal: the role of upwelling and dispersal to drive patterns. *Ecography* (in press).
138. 2014e. Bakker, JP*, Nielsen, KJ*, Alberti, J, Chan, F, Hacker, SD, Iribarne, OO, Kuijper, DPJ, Menge, BA, Schrama, M, Silliman, BR. Bottom-Up and Top-Down Interactions in Coastal Interface Systems, In Hanley, T and La Pierre, K, Eds., *Trophic Ecology: Bottom-Up and Top-Down Interactions across Aquatic and Terrestrial Systems*. Oxford University Press. *both authors contributed equally. (in press).

* See commentary on: 1997 Strong, D. R. Quick indirect interactions in intertidal food webs. *Trends in Ecology and Evolution* 12:173-174.

** Faculty of 1000: Recommended

*** Faculty of 1000: Must Read

& Faculty of 1000 – F1000Prime: Exceptional

ISI top 1% of most highly cited ecology papers published that year

Recent Invited Seminars:

- 2008 Florida State University, Tallahassee, FL.
- 2009 Northeastern University, Boston, MA.
- 2010 University of South Carolina, Columbia, SC
- 2012 University of Tel Aviv, Israel.
- 2012 University of Washington, Friday Harbor Laboratories, Friday Harbor, WA (2 lectures)
- 2012 University of California, Davis, Bodega Marine Lab, Bodega Bay, CA
- 2012 University of Oregon, Oregon Institute of Marine Biology, Charleston, OR
- 2013 Washington State University, Vancouver, WA
- 2013 University of California, Santa Barbara, CA
- 2013 Texas A&M University, College Station, TX
- 2013 Virginia Institute of Marine Science, Gloucester Point, VA
- 2013 Northwest Fisheries Science Center, NOAA, Seattle, WA

POSTGRADUATE TRAINING:

Graduate Degrees Awarded (34 PhD, 9 MS):

Ph D:

1. 1980 **William Rice**, Ph.D. Thesis title: *Acoustical localization of concealed prey by the diurnal harrier (Circus cyaneus)*. **Present status:** Professor, University of California, Santa Barbara 1998.
2. 1982 **Teresa Turner** Ph.D. Thesis title: *Community organization and succession in rocky intertidal surfgrass beds*. **Present status:** Professor, University of Virgin Islands, St. Thomas, USVI
3. 1983 **Steve Gaines** Ph.D. Thesis title: *Diverse consumer guilds in intertidal communities of Oregon and the Republic of Panama and their effects on prey assemblages*. **Present status:** Professor of Ecology, Evolution and Marine Biology, and Director, Marine Science Institute, Univ. of California, Santa Barbara, 1997.
4. 1984 **Chris Marsh** Ph.D. Thesis title: *The role of avian predators in an Oregon rocky intertidal community*. **Present status:** Director, Spring Island Trust, South Carolina.
5. 1984 **Lani West** Ph.D. Thesis title: *Prey selection by the tropical marine snail Thais melones: a study of the effects of interindividual variation and foraging experience on growth and gonad development*. **Present status:** Research Associate, University of Queensland, Brisbane, Queensland, Australia
6. 1987 **Terry Farrell**, Ph.D. Thesis title: *Succession and stability in two rocky intertidal communities on the central Oregon coast*. Post-doctoral, Stanford University 1987-89. **Present status:** Professor, Stetson University, DeLand Florida.
7. 1989 **Cynthia D. Trowbridge**, Ph.D. Thesis title: *Marine herbivore-plant interactions: the feeding ecology of the sea slug Placida dendritica*. **Present status:** Research Associate, Hatfield Marine Science Center, OSU.
8. 1990 **Ken R. Yates**, Ph.D. Thesis title: *The feeding ecology of the gumboot chiton, Cryptochiton stelleri (Middendorff, 1846)*. **Present status:** Unknown.
9. 1992 **Peter van Tamelen**, Ph.D. Thesis title: *Algal community structure and organization in high intertidal rockpools*. **Present status:** Private contractor.
10. 1992 **Annette Olson**, Ph.D. Thesis title: *Evolutionary and ecological interactions affecting seaweeds*. **Present status:** Courtesy Assistant Professor, Oregon State University.
11. 1994 **Deborah Brosnan**, Ph.D. Thesis title: *Environmental factors and plant-animal interactions on rocky shores along the Oregon coast*. **Present status:** Private contractor.
12. 1994 **Carol Blanchette**, Ph.D. Thesis title: *The effects of biomechanical and ecological factors on population and community structure of wave-exposed, intertidal macroalgae*. **Present status:** Research Biologist and Science Coordinator of PISCO, Ecology, Evolution and Marine Biology, University of California, Santa Barbara, CA.

13. 1994 **Sergio A. Navarrete**, Ph.D. Thesis title: *Effects of interactions between predators and species body sizes on rocky intertidal communities: Comparative and experimental approaches*. **Present status:** Associate Professor of Ecology, Catholic University of Chile, Santiago, Chile, and Director, Coastal Station of Marine Investigations (ECIM), Las Cruces, Chile.
14. 1995 **Eric L. Berlow**, Ph. D. Thesis title: *Patterns and dynamics of context-dependency in the marine rocky intertidal*. **Present status:** Founder, Vibrant Data Labs (<http://vibrantdatalabs.org>).
15. 1997 **Gary W. Allison**, Ph. D. Thesis title: *The ecological consequences of the reduction of species diversity: experimental approaches*. Mellon Postdoctoral Fellow, OSU. **Present status:** Research Associate, Ohio State University.
16. 1998 **Karina J. Nielsen**, Ph. D. Thesis title: *Bottom-up and top-down forces in tidepools: the influence of nutrients, herbivores, and wave exposure on community structure*. **Present status:** Associate Professor, Sonoma State University, Rohnert Park, CA.
17. 1999 **Eric D. Sanford**, Ph. D. Thesis title: *Oceanographic influences on rocky intertidal communities: coastal upwelling, invertebrate growth rates, and keystone predation*. **Present status:** Associate Professor, UC Davis and Bodega Marine Laboratory, Bodega Bay, CA.
18. 2001 **Jennifer Burnaford**, Ph. D. Thesis title: *Evaluating the relative roles of positive and negative interactions in communities: shade, herbivory and physiological stress in the rocky intertidal zone*. **Present status:** Assistant Professor, California State University, Fullerton, CA.
19. 2002 **Tess L. Freidenburg**, Ph. D. Thesis title: *Macroscale to Local Scale Variation in Rocky Intertidal Community Structure and Dynamics in Relation to Coastal Upwelling*. **Present status:** Instructor, California State University East Bay, Oakland, CA.
20. 2003 **Matthew E. S. Bracken**, Ph. D. Thesis title: *Linking Marine Communities and Ecosystems: Invertebrates Mediate Nutrient Availability in Intertidal Communities*. **Present status:** Assistant Professor, University of California, Irvine, CA.
21. 2004 **Heather M. Leslie**, Ph. D. Thesis title: *Advancing Marine Reserve Science: From Field Experiments to Marine Conservation Planning Tools*. **Present status:** Assistant Professor, Brown University, Providence, RI.
22. 2005 **Roland B. Russell**, Ph. D. Thesis title: *Functional role of algal biodiversity*. **Present status:** Private contractor.
23. 2006 **Anne D. Guerry**, Ph. D. Thesis title: *"Grazing, nutrients, and marine benthic algae: insights into the drivers and protection of diversity."* **Present status:** Associate Scientist, Stanford University, Palo Alto, CA.
24. 2006 **Elise F. Granek**, Ph. D. Thesis title: *"Linkages between mangrove forests and coral reefs: quantifying disturbance effects and energy flow between systems."* **Present status:** Associate Professor, Portland State University, Portland, OR.
25. 2007 **Christopher Krenz**, Ph. D. Thesis title: *"Ecological subsidies to rocky shore communities: setting the stage for community dynamics in the northeast Pacific."* **Present status:** Staff Scientist, OCEANA Foundation, Juneau, AK.
26. 2007 **Laura E. Petes**, Ph. D. Thesis title: *"Effects of environmental stress on intertidal mussel reproduction."* **Present status:** Program Specialist, NOAA, Washington, DC.
27. 2007 **Anthony Kirincich**, Ph. D. Thesis title: *"Physical oceanography of the inner shelf along the central Oregon coast."* **Present status:** Assistant Scientist, Woods Hole Oceanographic Institute, Woods Hole, MA.
28. 2009 **Luis Vinueza**, Ph. D. Thesis title: *"Top Down and Bottom Up Effects on Galapagos Rocky Shore Communities."* **Present status:** Assistant Professor, University of San Francisco, Quito, Ecuador.
29. 2011 **Margot Hessing-Lewis**, Ph. D. Thesis title: *"Eelgrass-macroalgae interactions: Context-dependency in upwelling-influenced estuaries."* **Present status:** Postdoctoral researcher, Simon Fraser University, Vancouver, BC.
30. 2011 **Joe Tyburczy**, Ph. D. Thesis title: *"Nearshore Distribution of Barnacle and Mussel Larvae and Oceanographic Mechanisms of Onshore Transport and Delivery."* **Present status:** Advisor, California Sea Grant Extension, Eureka, CA.
31. 2011 **Dafne Eerkes-Medrano**, Ph. D. Thesis title: *"The Role of Oxygen and Other Environmental Variables on Survival, Abundance, and Community Structure of Invertebrate Meroplankton of Oregon Nearshore Coastal Waters."* **Present status:** Zooplankton Ecologist, Ecology and Conservation Group Marine Scotland Science, Scottish Government | Marine Laboratory, Aberdeen, Scotland.

32. 2012 **Alison C. Iles**, Ph. D. Thesis title: *“Bridging environmental physiology and community ecology: temperature effects at the community level.”* **Present status:** Postdoctoral Scholar, Oregon State University; Mark Novak, sponsor.
33. 2013 **Davon Callander**, Ph. D. (University of Canterbury, Christchurch, NZ; BAM co-advisor). Thesis title: *“Effects of environmental stress on gene expression in mussels.”* **Present status:** Postdoctoral Scholar, University of California, Santa Barbara, CA.
34. 2014 **Sarah Close**, Ph. D. Thesis title: *“The roles of nutrient dynamics, oceanography, and light in the structure and functioning of rocky intertidal macrophyte assemblages.”* **Present status:** Knauss Fellow, NOAA, Silver Spring, MD.

MS

1. 1981 **Dianna Padilla** M.S. Thesis title: *Selective agents influencing the morphology of coralline algae.* **Present status:** Professor, State University of New York, Stony Brook, NY.
2. 1982 **Ken Yates** M.S. Thesis title: *A limpet-kelp interaction: description and definition.*
3. 1982 **Carla D'Antonio** M.S., Thesis title: *Population and community ecology of the red alga Rhodomela larix (Turner) C. Agardh, on the central Oregon coast.* **Present status:** Associate Professor, Univ. of California at Santa Barbara, CA.
4. 1985 **Annette Olson** M.S. Thesis title: *Early succession in beds of the red alga, Iridaea cornucopiaea Post. & Repr. (Gigartinaceae): alternative pathways.*
5. 1986 **Alice Brown** M.S. Thesis title: *An experimental test of optimal outbreeding in the harpacticoid copepod Tigriopus californicus (Baker).* **Present status:** voluntarily unemployed.
6. 1992 **Denise (Idler) Fischer**, M.S. (Non-thesis). **Present status:** voluntarily unemployed.
7. 1995 **Deirdre Roberts**, M. S. Thesis title: *Heat-shock protein expression in Mytilus californianus: seasonal and tidal height comparisons.* **Present status:** Middle School Teacher, Salinas, CA.
8. 2005 **Maria T. Kavanaugh**, M. S. Thesis title: *“Phytoplankton shading of marine benthic macrophytes: implications for intertidal community structure.”* **Present status:** Postdoctoral Scholar, Woods Hole Oceanographic Institute, Woods Hole, MA.
9. 2006 **John Howieson**, M. S. Thesis title: *“Do settling mussels (Mytilus spp.) prefer macroalgae over artificial substrates? A test of collector preference along the Oregon coast.”* **Present status:** Retired.

Post-Doctoral Fellows:

1. 1993-95 **Elizabeth Dahlhoff** (Ph.D., Scripps Inst. of Oceanogr). **Present status:** Professor of Biology, University of Santa Clara, Santa Clara, CA.
2. 1993-96 **Cynthia Trowbridge** (Ph.D., OSU). **Present status:** Research Faculty, Hatfield Marine Science Center, Newport, OR.
3. 1994-95 **Sergio Navarrete** (Ph.D., OSU). **Present status:** Director, Estacion Costal Intermareal Marinas, Catolica Universidad, Santiago, Chile.
4. 1995-96. **Eric Berlow** (Ph. D., OSU). **Present status:** Founder, Vibrant Data Labs (<http://vibrantdatalabs.org>).
5. 1995-2001 **Patricia Halpin** (Ph. D., Brown University). **Present status:** Instructor, Biology Program, UCLA, Los Angeles, CA.
6. 1997-98 **Gary Allison** (Ph. D., Oregon State University). **Present status:** Research Associate, Aquatic Ecology Laboratory, Ohio State University, Columbus, OH.
7. 1997-2003 **Brian Grantham** (Ph. D., Stanford University). **Present status:** Coordinator, Aquatics Research-AQUATIC Research and Development Section, Natural Resources, Government of Ontario, Peterborough, Ontario, Canada
8. 1998-99 **George Leonard** (Ph. D., Brown University). **Present status:** Aquaculture Director, Ocean Conservancy.
9. 1999-2000 **Carl Schoch** (Ph. D., Oregon State University). **Present status:** Affiliate Assistant Research Professor, Alaska Ocean Observing System, School of Fisheries & Ocean Sciences, University of Alaska, Fairbanks, AK.
10. 2000-2003 **Karina Nielsen** (Ph. D., Oregon State University). **Present status:** Professor, Sonoma State University, Rohnert Park, CA.
11. 2001-2004 **Francis Chan** (Ph. D., Cornell University). **Present status:** Assistant Professor, Senior Research, Oregon State University.

12. 2001-2004 **Michael Webster** (Ph. D., Oregon State University). **Present status:** Executive Director, The Coral Reef Alliance, Oakland, CA
13. 2002-2004 **Tess Freidenburg** (Ph. D., Oregon State University). **Present status:** Instructor, California State University East Bay, Oakland, CA.
14. 2005-2009 **Sarah Dudas** (Ph. D., University of Victoria, BC). **Present status:** Canada Research Chair, University of Vancouver Island, Nanaimo, BC.
15. 2005-2008 **Gil Rilov** (Ph. D., University of Tel Aviv, Israel). **Present status:** Senior Scientist, Department of Biology and Biotechnology, National Institute of Oceanography, Israel Oceanographic and Limnological Research, Haifa, Israel.
16. 2007-pres. **Kirsten Grorud-Colvert** (Ph.D., Univ. of Miami, FL). **Present status:** Assistant Professor, Senior Research, OSU.
17. 2010-2011 **Philip Fenberg** (Ph.D., University of Southern California). **Present status:** Lecturer, University of Southampton, UK.
18. 2010-2012 **Tarik Gouhier** (Ph. D., McGill University, Montreal). **Present status:** Assistant Professor, Northeastern University and Nahant Marine Lab, Nahant, MA.
19. 2011-2012 **Leigh Tait** (Ph.D., University of Canterbury, Christchurch, New Zealand). **Present status:** unknown.
20. 2013-pres. **Annaliese Hettinger** (Ph. D., University of California, Davis and Bodega Marine Laboratory, Davis, CA).

Current Graduate Advisees:

1. **Jeremy Rose**
2. **Elizabeth Cerny-Chipman**
3. **Chenchen Shen**
4. **Allison Barner**
5. **Jessica Reimer**
6. **Jenna Sullivan**
7. **Alissa Rickborn**
8. **Barbara Spiecker**

Visiting Scholars:

- | | |
|-----------------|---|
| 1982-83 | Edwin Bourget, Department of Biology, Laval University, Quebec, Canada |
| 1995-96 | Kathy van Alstyne, Biology Department, Kenyon College, Ohio |
| 1996 | Takashi Noda, Faculty of Fisheries, Hokkaido University, Hakodate, Japan |
| 1997, 98 | Jon Cline, Biology Department, Princeton University, Princeton, NJ |
| 1998 | A. Michelle Wood, Department of Biology, University of Oregon, Eugene, OR |
| 1998, 1999 (su) | Gretchen Hofmann, University of New Mexico (now Arizona State University) |
| 1998, 1999 (su) | Ali Whitmer, University of Washington |
| 1999 (su) | Juan Keymer, Biology Department, Princeton University, Princeton NJ |
| 2000-2001 | Annette Olson, University of Washington |
| 2001 | Steve Palumbi, Harvard University |
| 2001, 2002 | Erik Sotka, Harvard University |
| 2002 (su) | Juan Keymer, Princeton University |
| 2003 (su) | Dave Schiel, University of Canterbury, Christchurch, NZ |
| 2007 (su) | Tarik Gouhier, McGill University, Montreal, Quebec, Canada |
| 2008 | Valerie Belanger, University of Quebec-Rimouski, Rimouski, Quebec, Canada |
| 2008 | Dave Schiel, Mike Hickford, University of Canterbury, Christchurch, NZ |
| 2008, 2011-12 | Davon Callander, University of Canterbury, Christchurch, NZ |
| 2012 | Karina Nielsen, Sonoma State University, Santa Rosa, CA |
| 2012 | David Schiel, University of Canterbury, Christchurch, NZ (July-December) |
| 2012 | Velda Lauringson, University of Tartu, Tartu, Estonia (June) |