

Jennifer L. Ruesink
Department of Biology, University of Washington
Box 351800
Seattle, WA 98195-1800
Tel: 206-543-7095; Cell: 206-734-6507
Fax: 206-616-2011
Email: ruesink@u.washington.edu
<http://depts.washington.edu/jlrlab>

Areas of Academic Interest

Marine community ecology, especially food web interactions, aquaculture impacts, species invasions, and response to global change in shellfish and seagrass habitats

Education

University of Washington, Ph.D. Zoology (1996)

Cambridge University, England, M.Phil. Botany (1990)

Cornell University, B.A. Biology, Summa Cum Laude (1989)

Employment

Full Professor, Department of Biology, University of Washington (2012-)

Associate Professor, Department of Biology, University of Washington (2005-2012)

Assistant Professor, Department of Zoology (now Biology), University of Washington (1999-2005)

Post-doctoral fellow, Department of Zoology, University of British Columbia (1996-99)

Lecturer, Department of Forest Sciences, University of British Columbia (1998)

Grants and Awards

USDA Western Regional Aquaculture Center, Global analysis of eelgrass (*Zostera marina* L.) standing stock and yield, 2011-2013, \$20,000

NOAA Sea Grant, Spatial and temporal factors influencing recruitment variability in estuarine bivalves, 2010-2013, \$200,000

Sea Grant, Effects of geoduck harvest on soft-sediment properties and communities, 2008-2010

Fulbright Fellowship (2008)

NOAA Fisheries, Green crab impacts, \$62,970, 2006-10

Washington Department of Natural Resources, Hood Canal nutrient stressors, \$35,716, 2006-07

NOAA/Sea Grant, Scales of residence time in Pacific Northwest estuaries, \$231,009, 2007-2011

Royalty Research Fund, University of Washington, An inexpensive data-logging salinity sensor, \$35,000, 2006

NOAA/Sea Grant, Context-dependent impacts of an invasive predator on a threatened native oyster: implications for restoration, \$74,513, 2005-2007

Andrew W. Mellon Foundation, Ecological studies of Willapa Bay, Washington, in the context of historical data and local knowledge, \$316,000, 2004-2009

Sea Grant, Linking nearshore processes with intertidal diversity in Puget Sound, \$187,000, 2004-2007

USDA, Western Regional Aquaculture Center, Scale-dependent and indirect effects of filter feeders on eelgrass: understanding complex ecological interactions to improve environmental impacts of aquaculture, \$320,000, 2003-2007

Gulf Ecosystem Monitoring/ NOAA, Understanding the roles of natural disturbance and shoreline harvest in affecting composition and stability of the Kenai Peninsula's rocky intertidal, \$150,000, 2003-2005

NOAA/NMFS Northwest Fisheries Science Center subcontract, Food web dynamics, \$13,000, 2002-2003

Sea Grant, Impacts and dynamics of two introduced drills consuming cultured and threatened oysters, \$67,366, 2001-2003

Washington Department of Natural Resources, Shoreline biota in Puget Sound: Extending Spatial and Temporal Comparisons, \$77,351, 2002

Sea Grant, Ocean-estuarine coupling and material processing by oysters, \$480,000, 2001-2004

Pacific Northwest Coastal Ecosystems Regional Study, Oysters as integrators, \$46,649, 2000-2002

Postdoctoral fellow, Centre for Biodiversity Research, University of British Columbia, 1996-1999

Achievement Rewards for College Scientists, \$20,000, 1992

Smithsonian Predoctoral Fellowship, 1992

National Science Foundation Graduate Fellowship, 1990-1994

Publications (**undergraduate coauthor, *graduate coauthor)

*Yang S, *Wheat E, *Horwith M, Ruesink J. Relative impacts of natural stressors on life history traits underlying resilience of intertidal eelgrass (*Zostera marina* L.). Estuaries and Coasts, in revision

*Wagner E, Dumbauld B, Hacker S, Trimble A, *Wisehart L, Ruesink JL. Density-dependent effects of an introduced oyster (*Crassostrea gigas*) on a native intertidal seagrass (*Zostera marina*). Mar Ecol Prog Ser, in press

Ruesink JL, Rowell K. 2012. Seasonal effects of clams (*Panopea generosa*) on eelgrass (*Zostera marina*) density but not recovery dynamics at an intertidal site. Aquatic Conservation, doi: 10.1016/j.aqucon.2012.03.001

zuErmgassen PSE, Spalding MD, Blake B, Coen LD, Dumbauld B, Geiger S, Grabowski JH, Grizzle R, Luckenbach M, McGram K, Rodney W, Ruesink JL, Powers SP, Brumbaugh R. 2012. Historical ecology with real numbers: Past and present extent and biomass of an imperiled estuarine habitat. Proc Roy Soc London B, published online 13 June 2012 doi: 10.1098/rspb.2012.0313

Dethier MN, Ruesink JL, Berry H, Sprenger AG. 2012. Decoupling of recruitment from adult clam assemblages along an estuarine shoreline. Journal of Experimental Marine Biology and Ecology 422-423:48-54

- Ruesink JL, **Fitzpatrick JP, Dumbauld BR, Hacker SD, Trimble AC, *Wagner EL, *Wisehart LM. 2012. Life history and morphological shifts in an intertidal seagrass following multiple disturbances. *Journal of Experimental Marine Biology and Ecology* 424-425:25-31.
- Dumbauld BR, Kauffman B, Trimble AC, Ruesink JL. 2011. The Willapa Bay Oyster Reserves in Washington state: fishery collapse, creating a sustainable replacement, and the potential for habitat conservation and restoration. *J Shellfish Res* 30:71-83.
- Ruesink J. 2010. Ostriculture. Pages 494-499 in (Simberloff and Holyoak, eds) *Encyclopedia of Invasions*. University of California Press.
- **Tsai CC, Ruesink JL, Trimble AC, *Yang S. 2010. Interactions between two introduced species: *Zostera japonica* (dwarf eelgrass) facilitates itself and reduces condition of *Ruditapes philippinarum* (Manila clam) on intertidal flats. *Marine Biology* 157:1929-1936, DOI: 10.1007/s00227-010-1462-0
- Ruesink JL, Trimble AC. 2010. First report of *Phoronis ovalis* from Africa and its effect on mussel hosts. *African Journal of Marine Science* 32(1):109-114.
- Dethier MN, Ruesink JL, Berry H, Sprenger AG, Reeves B. 2010. Restricted ranges in physical factors may constitute subtle stressors for estuarine biota. *Mar Environ Res* 69:240-247.
- Yoo J-W, Lee Y-W, Ruesink JL, Lee C-G, Kim C-S, Park M-R, Yoon K-T, Hwang I-S, Maeng J-H, Rosenberg R, Hong J-S. 2010. Environmental quality of Korean coasts as determined by modified Shannon-Wiener evenness proportion. *Environ Monit Assess* DOI 10.1007/s10661-009-1222-0
- Ruesink JL, Hong JS, *Wisehart L, Hacker SD, Dumbauld BR, *Hessing-Lewis M, Trimble AC. 2010. Congener comparison of native (*Zostera marina*) and introduced (*Z. japonica*) eelgrass at multiple scales within a Pacific Northwest estuary. *Biological Invasions* 12(6): 1773-1790. DOI 10.1007/s10530-009-9588-z
- Dumbauld BR, Ruesink JL, Rumrill SS. 2009. The ecological role of bivalve shellfish aquaculture in the estuarine environment: A review with application to oyster and clam culture in West Coast (USA) estuaries. *Aquaculture* 290:196-223.
- *Tallis HM, Ruesink JL, Dumbauld B, Hacker S, *Wisehart LM. 2009. Oysters and aquaculture practices affect eelgrass density and productivity in a Pacific Northwest estuary. *J Shellfish Res* 28:251-261.
- *Buhle, E.R., J.L. Ruesink. 2009. Impacts of invasive oyster drills on Olympia oyster (*Ostrea lurida* Carpenter) recovery in Willapa Bay, Washington, USA. *J Shellfish Res* 28:87-96.
- **White, J.M., *E.R. Buhle, J.L. Ruesink, A.C. Trimble. 2009. Evaluation of native oyster (*Ostrea lurida*) status and restoration techniques in Puget Sound, Washington, USA. *J Shellfish Res* 28:107-112.
- **White, J.M., J.L. Ruesink, A.C. Trimble. 2009. The nearly forgotten oyster: *Ostrea lurida* Carpenter 1864 (Olympia oyster) history and management in Washington State. *J. Shellfish Res* 28:43-49.
- Trimble, A.C., J.L. Ruesink, B.R. Dumbauld. 2009. Factors preventing the recovery of a historically overexploited shellfish species. *J. Shellfish Res* 28:97-106

- **Richardson, N.F., J.L. Ruesink, S. Naeem, S.D. Hacker, *H.M. Tallis, B.R. Dumbauld, *L.M. Wisheart. 2008. Bacterial abundance and aerobic microbial activity across natural and oyster aquaculture habitats during summer conditions in a northeastern Pacific estuary. *Hydrobiologia* 596:269-278.
- *Wisheart, L.M., B.R. Dumbauld, J.L. Ruesink, S.D. Hacker. 2007. Importance of eelgrass early life history stages in response to oyster aquaculture disturbance. *Marine Ecology Progress Series* 344:71-80.
- Banas, N.S., B.M. Hickey, J.A. Newton, J.L. Ruesink. 2007. Tidal exchange, bivalve grazing, and patterns of primary production in Willapa Bay, Washington, USA. *Marine Ecology Progress Series* 341:123-139.
- Ruesink, J.L. 2007. Biotic resistance and facilitation of a non-native oyster on rocky shores. *Marine Ecology Progress Series* 331:1-9.
- *Hosack GR, Dumbauld BR, Ruesink JL, Armstrong DA. 2006. Habitat associations of estuarine species: comparisons of intertidal mudflat, seagrass (*Zostera marina*) and oyster (*Crassostrea gigas*) habitats. *Estuaries and Coasts* 29:1150-1160.
- Ruesink, J.L., B.E. Feist, C.J. Harvey, J.S. Hong, A.C. Trimble, *L.M. Wisheart. 2006. Changes in productivity associated with four introduced species: Ecosystem transformation of a "pristine" estuary. *Marine Ecology Progress Series* 311:203-215.
- Ruesink, J.L., E.O'Connor and *G.B. Sparks. 2006. Biodiversity and ecosystem functioning: exploring principles of ecology with agricultural plants. *American Biology Teacher* 68(5):285-292.
- Ruesink, J.L. and L. Collado-Vides. 2006. Modeling the increase and control of *Caulerpa taxifolia*, an invasive marine macroalga. *Biological Invasions* 8(2):309-325.
- *Salomon, A.K., J.L. Ruesink and R.E. DeWreede. 2006. Population viability, ecological processes and biodiversity: Valuing sites for reserve selection. *Biological Conservation* 128:79-92.
- Ruesink, J.L., H.S. Lenihan, A.C. Trimble, *K.W. Heiman, F. Micheli, J.E. Byers, M. Kay. 2005. Introduction of non-native oysters: ecosystem effects and restoration implications. *Annual Review of Ecology, Evolution and Systematics* 36:643-689.
- Raffaelli D., B.J. Cardinale, A.L. Downing, K.A.M. Engelhardt, J.L. Ruesink, M. Solan, D.S. Srivastava. 2005. Reinventing the wheel in ecology research? Response. *Science* 307:1875-1876.
- Ruesink, J.L. 2005. Global analysis of factors affecting the outcome of freshwater fish introductions. *Conservation Biology* 19:1883-1893.
- *Buhle, E.R., M. Margolis and J.L. Ruesink. 2005. Bang for buck: cost-effective control of invasive species with different life histories. *Ecological Economics* 52:355-366.
- Solan, M., B. Cardinale, A. Downing, K. Engelhardt, J. Ruesink and D. Srivastava. 2004. Extinction and ecosystem function in the marine benthos. *Science* 306:1177-1180.
- *Moore, J.W., J.L. Ruesink and *K.A. MacDonald. 2004. Impact of supply side ecology on consumer-mediated coexistence: evidence from meta-analysis. *American Naturalist* 163:480-487.

- Ruesink, J.L., G.C. Roegner, B.R. Dumbauld, J.A. Newton and D. Armstrong. 2003. Contributions of oceanic and watershed energy sources to secondary production in a northeastern Pacific estuary. *Estuaries* 26:1079-1093.
- *Holsman, K.K., D.A. Beauchamp, D.A. Armstrong and J.L. Ruesink. 2003. The necessity for intertidal foraging by estuarine populations of sub-adult Dungeness crab, *Cancer magister*: Evidence from a bioenergetic model. *Estuaries* 26:1155-1173.
- Ruesink, J.L. 2003. One fish, two fish, old fish, new fish: which invasions matter? Pages 161-178 in (S.A. Levin and P.M. Kareiva, eds.) *The Importance of Species: Expendability and Triage*. Princeton University Press.
- **Jenkins, C., *M.E. Haas, **A. Olson and J.L. Ruesink. 2002. Impacts of trampling on a rocky shoreline of San Juan Island, Washington. *Natural Areas Journal* 22(4):260-269.
- Ruesink, J.L., K.E. Hodges and C.J. Krebs. 2002. Mass-balance analyses of boreal forest population cycles: merging demographic and ecosystem approaches. *Ecosystems* 5:138-158.
- Ruesink, J.L. 2002. Invasion Biology. In (D. Pimentel, ed.) *Encyclopedia of Pest Management*. Dekker, New York.
- *Salomon, A.K., J.L. Ruesink, *B.X. Semmens and R.T. Paine. 2001. Incorporating human and ecological communities in marine conservation: an alternative to Zacharias and Roff. *Conservation Biology* 15:1452-1455.
- Ruesink, J.L. and D.S. Srivastava. 2001. Numerical and per capita responses to species loss: mechanisms maintaining ecosystem function in a community of stream insect detritivores. *Oikos* 93:221-234.
- Ruesink, J.L. and K.E. Hodges. 2001. Trophic mass-balance models of the Kluane Boreal Forest Ecosystem. Pp. 464-490 in (C.J. Krebs, S. Boutin and R. Boonstra, eds.) *Ecosystem Dynamics of the Boreal Forest: The Kluane Project*, Oxford University.
- Driskell, W.B., J.L. Ruesink, D.C. Lees, J.P. Houghton and S.C. Lindstrom. 2001. Long-term signal of disturbance: *Fucus gardneri* after the *Exxon Valdez* oil spill. *Ecological Applications* 11:815-827.
- Ruesink, J.L. 2000. Assessing density dependence using intraannual counts. *Ecology* 81:3377-3390.
- Ruesink, J.L. 2000. Intertidal mesograzers in field microcosms: linking laboratory feeding rates to community dynamics. *J. Exp. Mar. Biol. Ecol.* 248:163-176.
- Ruesink, J.L. 1999. Invasion ecology. *McGraw-Hill Yearbook of Science and Technology*, pp. 226-228.
- Ruesink, J.L. 1998. Scope and impact of invasions. *Invasive Alien Species. Yale Forest Forum Review* 1(2): 11-14.
- Ruesink, J.L. 1998. On caricatures: the case of Prince William Sound. Pages 89-91 in (T.A. Okey and D. Pauly, eds.) *Trophic mass-balance model of Alaska's Prince William Sound ecosystem, for the post-spill period 1994-1996*. Fisheries Centre Research Reports 6(4).
- Ruesink, J.L. 1998. Variation in per capita interaction strength: thresholds due to nonlinear dynamics and nonequilibrium conditions. *Proc. Nat. Acad. Sci.* 95(12): 6843-6847.

- Ruesink, J.L. 1998. Diatom epiphytes on *Odonthalia floccosa*: the importance of extent and timing. J. Phycology 34(1): 29-38.
- Srivastava, D.S. and J.L. Ruesink. 1998. Population growth and environmental destruction: It isn't that simple! Bull. Ecol. Soc. Am. 79: 219-221.
- Ruesink, J.L. 1997. Coral injury and recovery: matrix models link process to pattern. J. Exp. Mar. Biol. Ecol. 210: 187-208.
- Paine, R.T., J.L. Ruesink, et al. 1996. Trouble on oiled waters: lessons from the *Exxon Valdez* oil spill. Ann. Rev. Ecol. Syst. 27: 197-235.
- Ruesink, J., M. Groom, I. Parker and P. Kareiva. 1995. Reducing the risks of nonindigenous species introductions. BioScience 47: 465-477.
- Ruesink, J.L. 1994. Chalk grassland snails: site comparisons and implications for management. J. Molluscan Studies 61: 9-21.
- Harvell, C.D., W. Fenical, V. Roussis, J.L. Ruesink, C.C. Griggs and C.H. Greene. 1993. Local and geographic variation in the defensive chemistry of a West Indian gorgonian coral (*Briareum asbestinum*). Marine Ecology Progress Series 93:165-173.
- Ruesink, J.L. 1992. The contribution of epiphytes to algal biodiversity in the northeast Pacific. Northwest Envir. J. 8: 140-142.
- Ruesink, J.L. and C.D. Harvell. 1990. Specialist predation on the Caribbean gorgonian *Plexaurella* spp. by *Cyphoma signatum* (Gastropoda). Mar. Ecol. Prog. Ser. 65: 265-272.

Book Reviews

- Marine Ecology, by Connell and Gillanders, in Quarterly Review of Biology (2008)
- Pacific Seaweeds: A guide to common seaweeds of the West coast, by L. Druehl, in Discovery (2001) 30:71.
- The Ecology of Invasions by Animals and Plants, by C. S. Elton, in Ecoscience (2001) 8:139-140.
- Discover Burns Bog, by Bill Burns, in Discovery (1998) 27(2): 81-82
- Shells and Shellfish of the Pacific Northwest, by Rick Harbo, in Discovery (1997) 26: 83-84.
- The Idea of Biodiversity: Philosophies of Paradise, by David Takacs, in Ecoscience (1997) 4: 421-422 (with K.E. Hodges).

Other Print

- Aug 22, Sep 5 2012 Chinook Observer articles on oyster settlement
- May 25, Aug 10, Aug 31 2010, Chinook Observer articles on introduced species and estuarine productivity
- January 2009, The Namibian reports on public talk in Swakopmund, Namibia, and discovery of new worm
- April 13, 2005, Chinook Observer front page interview
- November 13, 2003, Aberdeen Daily World article on mysterious blobs of jelly (freshwater bryozoans)

March 10, 2003, Seattle Times interview on Willapa Bay research on estuarine productivity
Winter 2001, Seattle P-I interview on undergraduate student projects on effects of Canada geese
February 14, 1997, Vancouver Sun interview on marine invasions

Teaching Experience

Undergraduate courses

Introductory Biology (Autumn 2001 – 04, Winter 2010 University of Washington)
Ecology (Winter 2000-2004, University of Washington)
Foundations of Ecology (2006-12, University of Washington)
Marine Ecology (Spring 2003, 2005, 2007, 2009, 2011 University of Washington)
Disturbance Ecology (Spring 2000, University of Washington)
Biodiversity and Forest Management (Autumn 1998, University of British Columbia)
Community Ecology (Winter 2006, 2007, University of Washington)
Non-ruminant animal husbandry (2008, Polytechnic of Namibia)

Graduate Seminars

Multivariate statistics (Winter 2003, University of Washington)
Advanced ecology (Autumn 2001, 2003, 2005 University of Washington)
Ecological controversies (Autumn 2000-2007, 2009-2012, University of Washington)
Experimental design and analysis (Autumn 2000, University of Washington)
Functional groups and species redundancy (Autumn 1999, University of Washington)
Interaction strength (Autumn 1999, University of Washington)
Marine conservation biology (Summer 1998, 1999, 2000, University of Washington)

Professional Service

Committee Memberships, National/ International:

Governor's Blue Ribbon Panel on Ocean Acidification (2012)
Committee to Review Drakes Estero Draft Environmental Impact Statement (National Research Council, 2012)
Associate Editor, Biological Invasions (2009-present)
Scientific Advisory Committee, IUCN – evaluating oyster beds as threatened habitats (2011)
Scientific Advisory Committee, The Nature Conservancy Shellfish at Risk (2010-2011)
Committee to Review the Science on Western Alaska Salmon (National Research Council, 2003-2005)
California Sea Grant Advisory Committee (2003-2005)
National Science Foundation review of coastal long-term ecological research (LTER) proposals (2004)

Committee to Review the Gulf of Alaska Ecosystem Monitoring Plan (National Research Council, 2000-2002)

Selection committee for Churchill Fellowship (1999, 2011)

Society for Conservation Biology investment committee (1998-2006)

Committee Memberships, Local:

Graduate Program Coordinator, Department of Biology (2009-2011)

Royalty Research Fund selection committee (2009-2010)

CFR Search Committee (2005)

UW Program on the Environment governing board (2003-2007)

University Disciplinary Committee (2002-03)

Washington Aquatic Nuisance Species Task Force research and education subcommittee (2000-2001)

Puget Sound/ Georgia Basin Task Force on Marine Nonindigenous Species (1996-98)

Invited reviews and workshops:

2012: US-UK Ocean Acidification in Ecosystems workshop

2011: DNR/Shellfish industry MOA working group – aquaculture impacts on HCP species

Washington Sea Grant program review, presenter

2006: West Coast Native Oyster Workshop

Geoduck aquaculture regulations, Washington Department of Natural Resources

2004: Washington Sea Grant program review, presenter

NCEAS working group on ecosystem-based management in coastal environments

2003: University of Wyoming 2003 Ecologic/Economic Conference on Bioinvasions

Northwest Straits Initiative review: Marine Protected Areas panel

2002: Intertidal monitoring design for the Olympic National Park

2001: Marine Protected Area design for the Olympic Coast National Marine Sanctuary

Marine Protected Area design for Puget Sound (People for Puget Sound)

2000: Salmon research and recovery workshop (National Center for Ecological Analysis and Synthesis,

National Marine Fisheries Service)

Sediment Monitoring Standards review (WA Department of Ecology)

West Coast Marine Protected Areas workshop, COMPASS (COMMunication PARTnership for Science and the Sea)

Presentation: The Ecology of Marine Protected Areas, Northwest Straits Marine Resource Committee Workshop

1999: Northwest Straits Commission Missing Science Workshop and review of State of the Straits (Washington Sea Grant)

Viable Salmon Populations review (National Marine Fisheries Service)

1998: Ecosystems Panel Workshop, National Research Council

Judge for best student paper, Western Society of Naturalists (December 2000), Estuarine Research

Federation (September 2003), National Shellfisheries Association (Mar 2012)

Seminars and Conferences (*=invited presentation)

2012: National Shellfisheries Association, "Temperature and pH as drivers of oyster larval survival over 50 years of field data," Mar 26, Seattle, WA

Pacific Estuarine Research Society, "Carbon and nitrogen sequestration by eelgrass along an estuarine gradient," Apr 14, Anacortes, WA

Ecological Society of America, "Climate variability influences recruitment in a multi-decadal time series," Aug 6, Portland, OR

Pacific Coast Section, National Shellfisheries Association, "Substrate effects on manila clam settlement and survival," Sep 25, Tulalip, WA

2011: *Sea Grant 18th Conference for Shellfish Growers, Mar 7, Union, WA

*Western Washington University, Apr 13, Bellingham, WA

National Shellfish Association/ Pacific Coast Shellfish Growers Association, Sep 20, Salem OR

*Invasive Plant Council of British Columbia, Oct. 19, Richmond, BC

2010: *Pacific County Coastal Summit: "Willapa Bay's ecosystem", May 20, Long Beach WA

2009: *South Sound Science Symposium: "Productivity and nutrient sources in Totten Inlet, in the context of greater Puget Sound", May 6, Shelton WA

*Bodega Marine Laboratory: "Resilience and alternative states in Washington's eelgrass", Oct. 21, Bodega CA

Ecological Society of America annual meeting, Aug, Albuquerque NM

Marine Bioinvasions Conference, Aug, Portland OR

Coastal and Estuarine Research Federation annual meeting, early Nov, Portland OR

NSA/PCSGA, 29 Sept, Portland OR

*NOAA/Fisheries: "Resilience and alternative states in eelgrass," Nov. 17, Seattle WA

2008: Nov, Swakopmund, Namibia

2007: *Oyster Reef Meeting: "Ecological consequences of Japanese oysters in western North America," April 5-9, 2007, Tokyo, Japan

*Beachwatchers: "Estuaries: what makes them so productive?," Feb, Anacortes WA

Coastal Zone meeting: West coast oyster reefs as sentinel habitats, Oct, Portland OR

- 2006: *International Conference on Shellfish Restoration: “West Side Story: the context, causes and consequences of Pacific oyster introduction to Washington state”, Nov. 15-19, 2006, Charleston, SC
- *Western Society of Naturalists: “Conservation science in a coastal estuary – ecological impacts of aquaculture,” Nov. 10-12, 2006, Renton, WA
- *14th Annual Meeting for Shellfish Growers: “Spatial variation in bivalve growth in Washington”, March 7, Shelton, WA
- National Shellfisheries Association: “Ecological interactions between oysters and eelgrass in Willapa Bay,” Oct. 4, 2006, Vancouver, WA
- *Pacific Ecology and Evolution Conference: “Know your system. Know your species. Know your statistics.” March 5, Bamfield, BC
- *National Shellfisheries Association: “Elton’s “greatest agency”: a review of the worldwide spread of oysters”, March 28, Monterey, CA
- *West Coast Native Oyster Workshop: “Evaluation of native oyster status and restoration techniques in two Washington bays”, September 7, San Francisco, CA
- 2005: *13th Annual Meeting for Shellfish Growers: “Geoduck aquaculture and eelgrass in South Puget Sound”, March 1, Shelton, WA
- 2004: Pacific Coast Shellfish Growers Association/ National Shellfisheries Association: “Interactions between geoducks and eelgrass”, October, Tacoma, WA
- *US EPA Newport Lab: “Contributions of coastal and watershed energy sources to secondary production in Willapa Bay,” April 28, Newport, OR
- Ecological Society of America, Aug. 1-6, Portland, OR
- *Korean Fisheries Research and Development Institute: “Spatial and temporal variation in productivity of oysters (*Crassostrea gigas*) in a northeast Pacific estuary, Sept. 1, Busan, Korea
- *Inha University: “Spatial and temporal variation in productivity of oysters (*Crassostrea gigas*) in a northeast Pacific estuary, Sept. 2, Incheon, Korea
- 2003: Estuarine Research Federation, Sept. 14-18, Seattle, WA
- National Shellfisheries Meeting, Pacific Coast, Oct. 8-11, Portland, OR
- *12th Annual Shellfish Growers Meeting, “Oyster drill ecology and management”, March 3-4, Olympia, WA
- *Western Washington University, “Interactive effects of anthropogenic change on invasion impacts”, February 26, Bellingham, WA
- *University of Montana, January 31, Missoula, MT

- *Washington State Cooperative Fish and Wildlife seminar series, “Where are estuaries most productive? Oceanic and terrestrial inputs to Willapa Bay and Puget Sound,” March 12, 2003, Olympia, WA
- 3rd International Conference on Marine Biological Invasions, March 16-19, 2003, San Diego, CA
- *Washington State University, Vancouver, April 7, 2003
- *Northwest Fisheries Science Center, April 10, 2003
- 2002: American Society of Limnology and Oceanography, June 10-14 2002, Victoria, BC
- *Bamfield Marine Station, “How species come and go: lessons from a century of experiments in Willapa Bay”, November 27, 2002, Bamfield, BC
- *PNCERS Workshops for Managers
- *Friday Harbor Laboratories, East/West Program
- *University of Washington, School of Aquatic and Fishery Sciences, “Estuarine productivity in space and time: the story from oysters in Willapa Bay”, October 17, Seattle, WA
- Pacific Coast Shellfish Growers Association/ National Shellfisheries Association, September 27-29, Newport, OR
- *Pacific Ecology Conference, “Four ways ecologists can change the world... and why it’s so hard”, February, Port Townsend, WA
- 2001: Ecological Society of America
- Society for Conservation Biology
- National Shellfisheries Association, “Spatial variation in oyster growth and recruitment: factors affecting yield in a west coast estuary”, September 20-22, Silverdale, WA
- PICES, “Assessing benthic-pelagic coupling through demography of oysters (*Crassostrea gigas*)”, October 2001, Victoria, BC
- Puget Sound Research Conference, “Watch your step! Impacts of trampling on a rocky shoreline of San Juan Island, Washington. (With Carolyn Jenkins, presenter, Ashley Olson, and Melora Haas)
- PNCERS Eat and Learn Seminar, “Oyster growth in 3-D: tidal elevation, mudflat, and bay-wide effects”
- *Native Plant Society: Nature Out of Place
- Marine Biological Invasions Conference, “Biotic resistance against an invasive oyster”
- 2000: Western Society of Naturalists, “Community assembly: lessons from plates and patches in marine environments”
- *Yukon Science Institute, “Detecting change in the Gulf of Alaska: post-spill research and a new monitoring plan”
- *Bamfield Marine Station, “Community assembly: lessons from plates and patches”
- UBC Fisheries Centre: Economics of Marine Protected Areas

- Society for Conservation Biology annual meeting
National Shellfish Association annual meeting
*Friday Harbor Laboratories, "Factors influencing invasions by nonindigenous species"
*Washington Lake Protection Association, "Aquatic invasions"
- 1999: Ecological Society of America annual meeting
*Bamfield Marine Station, "Community structure and resistance to biological invasions"
*Cornell University, "Community structure and resistance to biological invasions"
- 1998: *University of Washington, Fisheries, "Tradeoffs between growth and survival in *Crassostrea gigas*"
*Yale University, "Scope and impact of invasive aliens"

Society memberships

Ecological Society of America, National Shellfisheries Association, Coastal and Estuarine Research Federation

Scientific Reviewer

American Naturalist, Conservation Biology, Ecological Applications, Ecology, Ecoscience, Ecosystems, Estuarine Coastal and Shelf Science, Hydrobiologia, Marine Ecology Progress Series, Nature, Phycologia, Trends in Ecology and Evolution, Journal of Animal Ecology, Ecology Letters, Proceedings of the National Academy of Sciences USA

E.g. 2009: MEPS (x3), Ecology, Marine and Freshwater Research, Biological Invasions, J Shellfish Research (x 2), J Exp Mar Biol Ecol (x 2), NSF (x 3), Aquatic Biology, Aquatic Botany

2011: NSF, MEPS (x a lot!), JEMBE, MFR, Murdock

External reviewer

PhD theses from: University of British Columbia (2009), Tel Aviv University (2011), Macquarie University (2012)

Tenure and Promotion: Elise Granek, Portland State University (2011); Matthew Bracken, Northeastern (2012), Kevin Hovel, SDSU (2012)

Student Supervision

Primary advisor (current): E. Grason (PhD), S.A. Hart (PhD), K. Dobkowski (PhD)

Thesis committee (current): G. Jespersen (PhD), M. Hannam (PhD), M. Paig-Tran (PhD), R. Sewell-Nesteruk (PhD), H. Hayford (PhD), E. Heery (PhD), R. Elahi (PhD), D. Smith (PhD)

Primary advisor (past): E. Wheat (PhD 2010), A.K. Salomon (PhD 2006), B.X. Semmens (PhD 2005), S. Frame (MSBT), E. Buhle (PhD 2007), K. Henson (MSBT), M. Horwith (PhD 2011), K. See (MS, PhD, QERM 2011), S. Yang (coadvised, PhD 2011)

Thesis committee (past): K. Ayres (PhD), A. Beaudreau (PhD), T. Francis (PhD), C. Abrey (PhD), L. Amsberry (PhD), S. Busch (PhD), A. Clark (PhD), J. D'Amore (MEd), T. Fletcher (PhD), D. Hahn (PhD), K. Holsman (PhD), G. Hosack (MS), K. Howe (PhD), M. Lakeman (PhD), K.A. MacDonald (PhD), W. Palen (PhD), M. Jacobs (PhD), P.S. MacDonald (PhD), F. Oyarzun (PhD), T. Pool (PhD), H. Rogers (PhD), G. Schurmann (PhD), B. Scott (MS), E. Skewes (PhD), S. Spilseth (MS), H. Tallis (PhD), G. Tsai (MS), L. Urgenson (PhD), E. Wagner (PhD), P. Woods (PhD)

Undergraduates: A. Olson, C. Jenkins, K. Shaber, J. Barkas (2000); A. Olson, C. Jenkins, J. Breach, E. Bridges, J. Adler, J. Hempelman (2001); J. Adler, N. Richardson, T. Olive (2002); J. Adler, N. Richardson, J. White (2003); J. White, S. DeAmicis (2004); S. DeAmicis, T. Seimears, P. Alatsis, E. Doubt, J. Sandler, C. Craig, M. Koberstein, D. Holden (2006); D. Holden, M. Koberstein, W. Lampe, A. Norman, J. Phillips, T. Seimears, C. Tsai, P.T. Van (2007); E. Fuller, J. Fitzpatrick, B. Diehl, J. Lin, A. Head (2009); K. van Raay, J. Verhulst, A. Witt (2010); S. Herrold, N. Freshley (2011); T. Pham (2012)