

CURRICULUM VITAE

SALLY D. HACKER

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EDUCATION

- Ph.D. 1996 Department of Ecology and Evolutionary Biology, Brown University, Providence, RI.
Co-advisors: Dr. Mark Bertness and Dr. Steven Gaines
Title: *Species diversity in a New England salt marsh: significance of positive plant interactions*
- M.S. 1988 Department of Zoology, University of Maine, Orono, ME.
Advisor: Dr. Robert Steneck
Title: *The effect of habitat architecture on the abundance and body size scaling of a mobile phytal amphipod, Gammarellus angulosus (Rathke).*
- B.S. 1984 Department of Zoology, University of Washington, Seattle, WA.

EMPLOYMENT

- 11-present: Professor, Department of Integrative Biology (formerly Zoology), Oregon State University.
- 18 Associate Head, Department of Integrative Biology, Oregon State University, Corvallis, OR.
- 04–11: Associate Professor, Department of Zoology, Oregon State University, Corvallis, OR.
- 07-09 Chair of Graduate Studies, Department of Zoology, Oregon State University, Corvallis, OR.
- 02–04: Associate Professor, School of Biological Sciences and Program in Environmental Science, Washington State University Vancouver.
- 96–02: Assistant Professor, School of Biological Sciences and Program in Environmental Science, Washington State University Vancouver.
- 94-96: Mellon Graduate Fellowship, Brown University, Providence, RI
- 92–94: Graduate Teaching Assistant, Brown University, Providence, RI.
- 91-92: Clare Booth Luce Graduate Fellowship for Women in Science, Brown University, RI.
- 89–91: Research Technician, Woods Hole Oceanographic Institution, Woods Hole, MA.
- 85–88: Graduate Teaching Assistant, University of Maine, Orono, ME.

AWARDS/FELLOWSHIPS/RECOGNITION

- 22: Mote Eminent Scholar Honoree, Mote Marine Lab and Florida State University, Tallahassee, Florida
- 21: 2021 Honoree, Authors and Editors Recognition, Oregon State University, Corvallis, OR.
- 17: Elected AAAS Fellow 2017, American Association for the Advancement of Science.
- 11–17: Co-author of the best-selling textbook, *Ecology* (Bowman and Hacker) (2011, 2014, 2017, 2020, 2023).
- 17: Co-author of second best-selling introductory biology textbook *Life: The Science of Biology* (Hillis, Heller, Hacker, Hill, Laskowski, Sadava) (2017, 2020, 2023 editions).
- 06–09: Chair, National Center for Ecological Analysis and Synthesis Science Advisory Board, Santa Barbara, CA.
- 00: Faculty Research Excellence Award, Washington State University Vancouver, WA.
- 97: Young Investigator Prize, American Society of Naturalists, Annual Meeting, Boulder, CO.
- 95: Murray F. Buell Award, Best Student Presentation, Ecological Society of America Meeting, Snowbird, UT.
- 94–96: Mellon Doctoral Fellowship, Brown University, Providence, RI.
- 91–92: Clare Boothe Luce Women in Science Fellowship, Brown University, Providence, RI.

TEACHING ASSIGNMENTS

OSU 2004–present: Ecology (BI 370), Marine Biology (BI 450), Community Ecology (IB 594), and Graduate Seminars (Meta-analysis, Species Invasion, Disease Ecology, Generalities in Ecology, Research Presentations, Communicating Science)

WSU Vancouver 1996–2004: General Ecology (Bio 372), Community Ecology (Bot 462/562), Field Ecology (Bot 463/563), and Wetland Ecology (ESRP 490)

SCHOLARSHIP

Publications

Total Career (1990-2023)

Total peer-reviewed publications as of November 22, 2023 = 160 publications (99 articles/book chapters, 60 textbook chapters, 1 book review)

Total Citations as of November 22, 2023 = 14,139, H–index = 43, i10–index = 72

BOOKS PUBLISHED

9. Bowman, W.D. and **S.D. Hacker**. **2023**. *Ecology, 6th Edition*, Oxford University Press.
8. Hillis, D.M., H.C. Heller, **S.D. Hacker**, D.W. Hall, M. Laskowski, and D. Sadava. Forthcoming **2023**. *Life: The Science of Biology 13th Edition*, MacMillan Publishers/Oxford University Press.
7. Bowman, W.D. and **S.D. Hacker**. **2020**. *Ecology, 5th Edition*, Oxford University Press.
6. Hillis, D.M., H.C. Heller, **S.D. Hacker**, D.W. Hall, M. Laskowski, and D. Sadava. **2020**. *Life: The Science of Biology 12th Edition*, MacMillan Publishers/Oxford University Press.
5. Sadava, D., D.M. Hillis, H.C. Heller, **S.D. Hacker**. **2017**. *Life: The Science of Biology 11th Edition*, MacMillan Publishers/Sinauer Associates, Sunderland, MA.
4. Bowman, W.D., **S.D. Hacker**, M.L. Cain. **2017**. *Ecology, 4th Edition*, Sinauer Associates, Sunderland, MA.
3. Cain, M.L., W.D. Bowman, **S.D. Hacker**. **2014**. *Ecology, 3rd Edition*, Sinauer Associates, Sunderland, MA. 667 pp.
2. Cain, M.L., W.D. Bowman, and **S.D. Hacker**. **2011**. *Ecology, 2nd Edition*, Sinauer Associates, Sunderland, MA.
1. Cain, M.L., W.D. Bowman, and **S.D. Hacker**. **2008**. *Ecology, 1st Ed.* Sinauer Associates, Sunderland, MA. 648 pp.

Book Reviews Published

1. **Hacker, S.D.** **2014**. Planning for coastal wetland change: fortress marsh or ecomarsh? **Ecology** **95**:3453–3454.

Journal Articles or Book Chapters Published or In Press

99. Gutierrez J.L., C.G. Jones, J.E. Byers, K.K. Arkema, K. Berkenbusch, J.A. Committo, C.M. Duarte, **S.D. Hacker**, P.J. Hogarth, J.G. Lambrinos, M.G. Palomo, C. Wild, and I.E. Hendriks. **In Press**. Physical ecosystem engineers and the functioning of estuaries and coasts. Pages XX-XX in C.H.R. Heip, C.J.M., Philippart, and J.J. Middelburg, editors. Volume 7: Functioning of Estuaries and Coastal Ecosystems, in the **Treatise on Estuarine and Coastal Science** (E. Wolanski, and D. McLusky, series editors), Elsevier.
98. Magel, C. L., **S. D. Hacker**, F. Chan, and A.R. Helms. **2023**. Eelgrass and macroalgae loss in an Oregon estuary: consequences for ocean acidification and hypoxia. *Ocean-Land-Atmosphere Research*.
<https://doi.org/10.34133/olar.0023>
97. Petillon, J., E. McKinley, M. Alexander, J.B. Adams, C. Angelini, T. Balke, J.N. Griffin, T. Bouma, **S.D. Hacker**, Q. He, M.J.S. Hensel, C. Ibanez, P.I. Macreadie, S. Martino, E. Sharps, R. Ballinger, D. de Battisti, N. Beuamont, D. Burdon, P. Daleo, A. D’Alpaos, M. Duggan-Edwards, A. Garbutt, S. Jenkins, Cai J.T. Ladd, H. Lewis, G. Mariotti, O. McDermott, R. Mills, I. Moller, S. Nolte, J. Pages, B. Silliman, L. Zhang, and M.W. Skov. **2023**. Top ten priorities for

- global saltmarsh restoration, conservation, and ecosystem service research. *Science of the Total Environment*. 898:165544.
96. LaPorte-Fauret, Q., R. Askerooth, M. Wengrove, **S. Hacker**, P. Ruggiero, J. Dickey, R. Edgell, and I. Silvernail. **2023**. Experimental test of the influence of native and non-native plant species on sand accretion on a U.S. Pacific Northwest dune. *Coastal Sediments 2023*: 627–641.
95. Hovenga, P. A., P. Ruggiero, M. Itzkin, K. R. Jay, L. Moore, and **S. D. Hacker**. **2022**. Quantifying the relative influence of coastal foredune growth factors on the U.S. Mid-Atlantic Coast using field observations and the process-based numerical model Windsurf. *Coastal Engineering* <https://doi.org/10.1016/j.coastaleng.2022.104272>
94. Dickey, J., M. Wengrove, N. Cohn, P. Ruggiero, and **S. Hacker** **2022**. Observations and modeling of shear stress reduction and sediment flux within sparse dune grass canopies on managed coastal dunes. *Earth Surface Processes and Landforms*. Doi: 10.1002/esp.5526.
93. Jay, K., **S.D. Hacker**, P.A. Hovenga, L.J. Moore, and P. Ruggiero. **2022**. Sand supply and dune grass species density affect foredune shape along the US Central Atlantic Coast. **Ecosphere**. Doi: 10.1002/ecs2.4256
92. Jay, K., **S.D. Hacker**, P.A. Hovenga, L.J. Moore, P. Ruggiero, M. Itzkin, R. Mostow, J. Wood, E. Mullins, I. Reeves, N. Cohn, C. Hagen, E. B. Goldstein, and C. L. Magel. **2022**. Surveys of coastal foredune topography and vegetation abundance, U.S. North Carolina Outer Banks, 2016-2018. Ver. 1. Environmental Data Initiative. Doi.org/10.6073/pasta/59770602ba34230815f55da5c61e5.
91. Nguyen, T., D.M. Kling, S.J. Dundas, **S.D. Hacker**, D. K. Lew, P. Ruggiero, and K. Roy. **2022**. Quality over quantity: non-market values of restoring coastal dunes in the US Pacific Northwest. **Land Economics**.
90. Itzkin, M., L. J. Moore, P. Ruggiero, P. A. Hovenga, and **S. D. Hacker**. **2022**. Combining process-based and data-driven approaches to forecast beach and dune change. *Environmental Modelling and Software* <https://doi.org/10.1016/j.envsoft.2022.105404>.
89. Magel, C. L., F. Chan, M. Hessing-Lewis, and **S. D. Hacker**. **2022**. Differential responses of eelgrass and macroalgae in Pacific Northwest estuaries following an unprecedented NE Pacific Ocean marine heatwave. **Frontiers in Marine Science**. doi: 10.3389/fmars.2022.838967.
88. Gutierrez, J. L., **S. D. Hacker**, M. A. Coombes, C. Wild, G. H. Pereira-Filho, and M. G. Palomo. **2022**. Chapter 10: Marine Hard Substrate Communities. Pages 232-273 in Pan, J., P. Pratolongo, editors. **Marine Biology: A Functional Approach to the Oceans and their Organisms**. Science Publishers, CRC Press, Boca Raton, FL.
87. Biel, R. and **S.D. Hacker**. **2021**. Warming alters the interaction of two invasive beachgrasses with implications for range shifts and coastal dune functions. **Oecologia** <https://doi.org/10.1007/s00442-021-05050-2>.
86. Hovenga, P., P. Ruggiero, E. B. Goldstein, **S. D. Hacker**, and L. J. Moore. **2021**. The relative role of constructive and destructive processes in dune evolution on Cape Lookout National Seashore, North Carolina, USA. **Earth Surface Processes and Landforms** 2021:1–17. Doi: 10.1002/esp.5210.
85. Itzkin, M., L. J. Moore, P. Ruggiero, **S. D. Hacker**, and R. Biel. **2021**. The influence of dune aspect ratio and storm characteristics on dune erosion. **Earth Surface Dynamics** 9: 1223–1237 <https://doi.org/10.5194/esurf-9-1223-2021>
84. Mostow, R. S., F. Barreto, R. Biel, E. Meyer, and **S. D. Hacker**. **2021**. Discovery of a dune-building hybrid beachgrass (*Ammophila arenaria* × *Ammophila breviligulata*) on the U.S. Pacific Northwest. **Ecosphere** 12(4):e03501. Doi:10.1002/ecs2.3501
83. Menge, B.A., S. Close, **S.D. Hacker**, K. Nielsen, F. Chan. **2020**. Biogeography of macrophyte productivity: effects of oceanic and climate regimes across spatiotemporal scales. **Limnology and Oceanography** doi: 10.1002/lno.11635.
82. Close, S., **S.D. Hacker**, B.A. Menge, F. Chan, K.J. Nielsen. **2020**. Elemental composition of rocky intertidal macrophytes: variation with spatial scale, ocean upwelling, and climate cycles of the California Current System. **Ecosystems**. <https://doi.org/10.1007/s10021-020-00484-w>

81. Emery, S. M., L. L. Reid, and **S.D. Hacker**. 2020. Soil nematodes differ in association with native and non-native dune-building grass species. **Applied Soil Ecology**. <https://doi.org/10.1016/j.apsoil.2019.06.009>.
80. Itzkin, M., L. J. Moore, P. Ruggiero, and **S. D. Hacker**. 2020. The effect of sand fencing on the morphology of natural dune systems. **Geomorphology** 352:106995. <https://doi.org/10.1016/j.geomorph.2019.106995>.
79. **Hacker, S. D.** 2019. Marshes: Salt and Brackish. Handbook of Natural Resources, Second Edition, Taylor & Francis/CRC Press, Boca Raton, FL USA.
78. Bortolus, A., P. Adam, J. Adams, M. Ainouche, D. Ayres, M. Bertness, T. Bouma, J. Bruno, I. Caçador, J. Carlton, J. Castillo, C. Costa, A. Davy, L. Deegan, B. Duarte, E. Figueroa, J. Gerwein, A. Gray, E. Grosholz, **S.D. Hacker**, A. Hughes, E. Mateos-Naranjo, I. Mendelssohn, J. Morris, A. Muñoz-Rodríguez, F. Nieva, L. Levin, B. Li, W. Liu, S. Pennings, A. Pickart, S. Redondo-Gómez, D. Richardson, A. Salmon, E. Schwindt, B. Silliman, E. Sotka, C. Stace, M. Sytsma, O. S. Temmerman, R. E. Turner, I. Valiela, M. Weinstein, J. Weis. 2019. Supporting *Spartina*: Interdisciplinary perspective shows *Spartina* as a distinct solid genus. **Ecology** e02863 <https://doi.org/10.1002/ecy.2863>.
77. Lewis, D.J., S.J. Dundas, D.M. Kling, D.K. Lew, and **S.D. Hacker**. 2019. The value of early and partial gains in threatened species management: Evidence from public preferences for Oregon Coast Coho Salmon recovery. **PLOS One** <https://doi.org/10.1371/journal.pone.0220260>
76. Biel R.G., **S.D. Hacker**, and P. Ruggiero. 2019. Elucidating coastal foredune ecomorphodynamics in the US Pacific Northwest via Bayesian networks. **Journal of Geophysical Research: Earth Surface**. 10.1029/2018JF004758.
75. **Hacker S.D.**, B.A. Menge, K.J. Nielsen, F. Chan, and T.C. Gouhier. 2019. Regional processes are stronger determinants of rocky intertidal community dynamics than local biotic interactions. **Ecology** 100: e02763 <https://doi.org/10.1016/j.apsoil.2019.06.009>
74. Hovenga, P.A., P. Ruggiero, N. Cohn, K. R. Jay, S. D. Hacker, M. Itzkin, and L. Moore. 2019. Drivers of dune evolution in Cape Lookout National Seashore, NC. Pages 1283–1296 in Wing, P., J. D. Rosati, and M. Vallee. Editors. **Coastal Sediments 2019—Proceedings of the 9th International Conference**, St. Petersburg, FL.
73. Ruggiero, P., N. Cohn, B. Hoonhout, E. Goldstein, S. de Vries, L. Moore, S. Hacker, and O. Duran-Vinent. 2019. Simulating dune evolution on managed coastlines: exploring management options with the Coastal Recovery from Storms Tool (CReST). **Shore and Beach** 87(2): 36–43.
72. **Hacker, S.D.**, K.R. Jay, E.B. Goldstein, P. Hovenga, M. Itzkin, L.J. Moore, R.S. Mostow, E.V. Mullins, I. Reeves, and P. Ruggiero. 2019. Species-specific functional morphology of four US Atlantic coast dune grasses: biogeographic implications for dune shape and coastal protection. **Diversity**. 11, 82, doi:10.3390/d11050082.
71. Hayduk, J., **S.D. Hacker**, J.S. Henderson, and F. Tomas Nash. 2019. Evidence for regional scale controls on eelgrass (*Zostera marina*) and mesograzed community structure in upwelling-influenced estuaries. **Limnology and Oceanography** 64:1120–1134.
70. Barner, A.K., F. Chan, A. Hettinger, **S.D. Hacker**, B. Menge, K. Marshall. 2018. Generality in multispecies responses to ocean acidification revealed through multiple hypothesis testing. **Global Change Biology**. 2018: 1-14. DOI: 10.1111/gcb.14372.
69. Goldstein, E.B., E.V. Mullins, L.J. Moore, R.G. Biel, J.K. Brown, **S.D. Hacker**, K.R. Jay, R.S. Mostow, P. Ruggiero, and J.C. Zinnert. 2018. Literature-based latitudinal distribution and possible range shifts of two US east coast dune grass species (*Uniola paniculata* and *Ammophila breviligulata*). **PeerJ** 6:e4932; DOI 10.7717/peerj.4932
68. Reimer, J., **S.D. Hacker**, B. A. Menge, and P. Ruggiero. 2018. Macrophyte wrack on sandy beaches of the US Pacific Northwest is linked to proximity of source habitat, ocean upwelling, and beach morphology. **Marine Ecology Progress Series** 594:263-269.
67. Barner, A. K., K.E. Coblenz, **S.D. Hacker**, and B.A. Menge. 2018. Fundamental contradictions among observational and experimental estimates of non-trophic species interactions. **Ecology** 99:557-566 doi: 10.1002/ecy.2133
66. Ruggiero, P., **S.D. Hacker**, E. Seabloom, P. Zarnetske. 2018. The role of vegetation in determining dune morphology, exposure to sea level rise, and storm-induced coastal hazards: A U.S. Pacific Northwest

- perspective. Chapter 11. Pages 337-362 in Moore, L., B. Murray. **Barrier Dynamics and the Impacts of Climate Change on Barrier Evolution**, Springer.
65. Chan F. J.A., Barth, C.A. Blanchette, R.H. Byrne, F. Chavez, O. Cheriton, R. A. Feely, G. Friederich, B. Gaylord, T. Gouhier, **S.D. Hacker**, T. Hill, G. Hoffman, M.A. McManus, B.A. Menge, K.J. Nielsen, A. Russell, E. Sanford, J. Sevadjian, and L. Washburn. **2017**. Persistent spatial structuring of coastal ocean acidification in the California Current System. **Scientific Reports** 7: DOI:10.1038/s41598-017-02777-y
 64. Biel R.G., **S.D. Hacker**, P. Ruggiero, N. Cohn, and E.W. Seabloom. **2017**. Coastal protection and conservation along sandy beaches and dunes: context-dependent tradeoffs in ecosystem services. **Ecosphere** 8: e01791. 10.1002/ecs2.1791
 63. Barner, A. K., **S. D. Hacker**, B. A. Menge, and K. J. Nielsen. **2016**. The complex net effect of reciprocal interactions and recruitment facilitation maintains an intertidal kelp community. **Journal of Ecology** 104:33-43
 62. Henderson, J., **S.D. Hacker**. **2015**. Buried alive: an invasive seagrass (*Zostera japonica*) changes its reproductive allocation in response to sediment disturbance. **Marine Ecology Progress Series** 532:123–136
 61. Zarnetske, P., P. Ruggiero, **S.D. Hacker**, E. Seabloom. **2015**. Coastal foredune evolution: the relative influence of vegetation and sand supply in the US Pacific Northwest. **Journal of the Royal Society Interface** 12: <http://dx.doi.org/10.1098/rsif.2015.0017>
 60. Hessing-Lewis, M., **S.D. Hacker**, B.A. Menge, S. McConville, J. Henderson. **2015**. Are large macroalgal blooms necessarily bad? Nutrient impacts on seagrass in upwelling-influenced estuaries. **Ecological Applications** 25:1330-1347
 59. David, A.S., P.L. Zarnetske, **S.D. Hacker**, P. Ruggiero, R.G. Biel, and E.W. Seabloom. **2015**. Invasive congeners differ in successional impacts across space and time. **PLoS ONE** 10(2): e0117283.doi:10.1371/journal.pone.0117283
 58. Menge, B.A., T.C. Gouhier, **S.D. Hacker**, F. Chan and K. Nielsen. **2015**. Are metaecosystems organized hierarchically? A model and test in rocky intertidal habitats. **Ecological Monographs** 85:213–233.
 57. Bakker, J.P., K.J. Nielsen, J. Alberti, F. Chan, **S. D. Hacker**, O.O. Iribarne, D.P.J. Kuijper, B.A. Menge, M. Schrama and B. R. Silliman. **2015**. Bottom-Up and Top-Down Interactions in Coastal Interface Systems. Chapter 7. Pages 157-200 in Hanley, T.C. and K.J. La Pierre. **Bottom-Up and Top-Down Interactions across Aquatic and Terrestrial Systems**, Cambridge University Press, Cambridge.
 56. **Hacker S.D. 2014**. Salt and brackish marshes. In: **Encyclopedia of Natural Resources**. Taylor and Francis Group, LLC: New York. Doi: 10.1081/E-ENRL-120047521.
 55. Hessing-Lewis, M.L., **S.D. Hacker**. **2013**. Latitudinal trends in macroalgal blooms and seagrass production in northeast Pacific upwelling-influenced estuaries. **Limnology and Oceanography** 58: 1103–1112.
 54. Keammerer, H., **S.D. Hacker**. **2013**. Negative and neutral interactions dominate in early life stages and across stress gradients in an Oregon estuary. **Plant Ecology** 214:303-315.
 53. Seabloom, E.W., P. Ruggiero, **S.D. Hacker**, J. Mull, P.L. Zarnetske. **2013**. Invasive grasses, climate change, and exposure to storm-wave overtopping in coastal dune ecosystems. **Global Change Biology** 19:824-832.
 52. Zarnetske, P., T. Gouhier, **S.D. Hacker**, E. Seabloom, V. Bokil. **2013**. Indirect effects and facilitation among native and non-native species promote invasion success along an environmental stress gradient. **Journal of Ecology** doi: 10.1111/1365-2745.12093.
 51. Ruggiero, P., G. M. Kaminsky, **S.D. Hacker**. **2013**. Morphodynamics of prograding beaches. **Coastal Dynamics** 2013:1375–1384
 50. Wagner, E., B.R. Dumbauld, **S.D. Hacker**, A.C. Trimble, L.M. Wisheart, J.L. Ruesink. **2012**. Density-dependent effects of an introduced oyster, *Crassostrea gigas*, on a native intertidal seagrass, *Zostera marina*. **Marine Ecology Progress Series** 468:149-160.
 49. Ruesink J.L., J. Fitzpatrick, B.R., Dumbauld, **S.D. Hacker**, A.C. Trimble, E.L. Wagner, L.M. Wisheart. **2012**. Life history and morphological shifts in an intertidal seagrass following multiple disturbances. **Journal of Experimental Marine Biology and Ecology** 424-425:25-31

48. Zarnetske, P., **S.D. Hacker**, E.W. Seabloom, P. Ruggiero, J.R. Killian, T.B. Maddux, D. Cox. **2012**. Biophysical feedback mediates effects of invasive grasses on coastal dune shape. **Ecology** 93:1439-1450.
47. Aswani, S., P. Christie, N.A. Muthiga, R. Mahon, J.H. Primavera, L.A. Cramer, E.B. Barbier, E.F. Granek, C. Kennedy, E. Wolanski, and **S.D. Hacker**. **2012**. The way forward with ecosystem-based management in tropical contexts: Reconciling with existing management systems. **Marine Policy** 36:1-10.
46. **Hacker S.D.**, P. Zarnetske, E. Seabloom, P. Ruggiero, J. Mull, S. Gerrity, and C. Jones. **2012**. Subtle differences in two non-native congeneric beach grasses significantly affect their colonization, spread, and impact. **Oikos** 121:138–148.
45. Gutierrez J.L., C.G. Jones, J.E. Byers, K.K. Arkema, K. Berkenbusch, J.A. Committo, C.M. Duarte, **S.D. Hacker**, P.J. Hogarth, J.G. Lambrinos, M.G. Palomo, C. Wild, and I.E. Hendriks. **2011**. Physical ecosystem engineers and the functioning of estuaries and coasts. Pages 53-81 in C.H.R. Heip, C.J.M., Philippart, and J.J. Middelburg, editors. Volume 7: Functioning of Estuaries and Coastal Ecosystems, in the **Treatise on Estuarine and Coastal Science** (E. Wolanski, and D. McLusky, series editors), Elsevier. DOI: 10.1016/B978-0-12-374711-2.00705-1.
44. Barbier E., **S.D. Hacker**, E. Koch, B. Silliman, and A.D. Stier. **2011**. Estuarine and coastal ecosystems and their services. Pages 109-127 in M. van den Belt and R. Costanza, editors. Volume 12: Ecological Economics of Estuaries and Coasts, in the **Treatise on Estuarine and Coastal Science** (E. Wolanski, and D. McLusky, series editors), Elsevier.
43. Ruggiero, P., J. Mull, P. L. Zarnetske, S. D. Hacker, and E. W. Seabloom. **2011**. Interannual to decadal foredune evolution. Pages 698–711 in Wang, P., J. D. Rosati, T. M. Roberts, editors. **Coastal Sediments 2011, Proceedings of Coastal Sediments, Miami, FL**.
42. Gouhier, T. C., B. A. Menge, **S.D. Hacker**. **2011**. Recruitment facilitation can promote coexistence and buffer population growth in metacommunities. **Ecology Letters** 14: 1201–1210.
41. Menge, B.A., **S.D. Hacker**, T. Freidenburg, J. Lubchenco, R. Craig, G. Rilov, M. Noble, E. Richmond. **2011**. Potential impact of climate-related changes is buffered by differential responses to recruitment and interactions. **Ecological Monographs** 81:493–509.
40. Moulton O.M. and **S.D. Hacker**. **2011**. Congeneric variation and environmental gradients influence community structure: Surfgrasses and macroinvertebrates along the Oregon coast. **Marine Ecology Progress Series** 433:53–63.
39. Hessing-Lewis M., **S.D. Hacker**, B.A. Menge, S. Rumrill. **2011**. Context dependent eelgrass-macroalgae interactions along an estuarine gradient in the Pacific Northwest, USA. **Estuaries and Coasts** 34:1169–1181.
38. Guarderas A.P., **S.D. Hacker**, and J. Lubchenco. **2011**. Analysis of the ecological effects of marine reserves in Latin America and the Caribbean. **Marine Ecology Progress Series** 429:219–225.
37. Barbier E., **S.D. Hacker**, C. Kennedy, E. Koch, B. Silliman, and A.D. Stier. **2011**. The value of estuarine and coastal ecosystem services. **Ecological Monographs** 81:169–193.
36. Zarnetske P.L., E.W. Seabloom, and **S.D. Hacker**. **2010**. Non-target effects of invasive species management: Beach grass, birds, and bulldozers in coastal dunes. **Ecosphere** 1: 13.
35. **Hacker S.D.**, and M.N. Dethier. **2010**. Where do we go from here? Alternative control and restoration trajectories for a marine grass (*Spartina anglica*) invader in different habitat types. Pages 211-216 in Ayres, D. R., D. W. Kerr, S.D. Ericson, and P. R. Olofson (editors). **Proceedings of the 3rd International Conference on Invasive *Spartina*, San Francisco, CA, USA**. San Francisco Estuary Invasive *Spartina* Project of the California State Coastal Commission, Oakland, CA.
34. Foley M.M., B.S. Halpern, F. Micheli, M.H. Armsby, M.R. Caldwell, E. Prahler, D. Sivas, C.M. Crain, N. Rohr, M.W. Beck, M.H. Carr, L.B. Crowder, J.E. Duffy, **S.D. Hacker**, K. McLeod, C.H. Peterson, H.M. Regan, P.A. Sandifer, and R.S. Steneck. **2010**. Guiding ecological principles for marine spatial planning. **Marine Policy** 34: 955-966. DOI: 10.1016/j.marpol.2010.02.001.
33. Ruesink J.L., J-S. Hong, L. Wisehart, **S.D. Hacker**, B.R. Dumbauld, A.C. Trimble, and M. Hessing-Lewis. **2010**.

- Congener comparison of native (*Zostera marina*) and introduced (*Z. japonica*) eelgrass at multiple scales within a Pacific Northwest estuary. **Biological Invasions** 12: 1773–1789.
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 23. Richardson N.F., J.L. Ruesink, S. Naaem, **S.D. Hacker**, H.M. Tallis, B.R. Dumbauld, and L.M. Wisehart. **2008**. Bacterial abundance and aerobic microbial activity across natural and oyster aquaculture conditions in a northeastern Pacific estuary. **Hydrobiologia** 596:269-278.
 22. Wisehart L.M., B.R. Dumbauld, J.L. Ruesink, and **S.D. Hacker**. **2007**. Importance of eelgrass life history stages in response to oyster aquaculture disturbance. **Marine Ecology Progress Series** 344:71-80.
 21. **Hacker S.D.** and M.N. Dethier. **2006**. Community modification by a grass invader has differing impacts for marine habitats. **Oikos** 113: 279-286.
 20. Dethier M.N. and **S.D. Hacker**. **2005**. Physical factors vs. biotic resistance in controlling the invasion of an estuarine marsh grass. **Ecological Applications**. 15:1273-1283.
 19. Dethier M.N. and **S.D. Hacker**. **2004**. Improving management practices for invasive cordgrass in the Pacific Northwest: A case study of *Spartina anglica*. **Washington Sea Grant Program Publication**, Seattle, WA. WSG-AS 04-05. 21pp. <http://www.wsg.washington.edu/research/pdfs/spartinaang.pdf>
 18. Reeder T.G. and **S.D. Hacker**. **2004**. Factors contributing to the removal of a marine grass invader (*Spartina anglica*) and subsequent potential for habitat restoration. **Estuaries** 27: 244-252.
 17. **Hacker S.D.** and M.N. Dethier. **2003**. Community dependent invasion and removal of English cordgrass, *Spartina anglica*, in Puget Sound, Washington. **Botanical Electronic News**. No. 312.

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15. **Hacker S.D. 2002.** Coastal Wetlands. Pages 234-235 in N. Eldridge, editor. **Encyclopedia of Biodiversity**, ABC–CLIO Publishers, Santa Barbara, CA.
14. **Hacker S.D.**, D. Heimer, C.E. Hellquist, T.G. Reeder, B. Reeves, T. Riordan, and M.N. Dethier. **2001.** A marine plant (*Spartina anglica*) invades widely varying habitats: potential mechanisms of invasion and control. **Biological Invasions** 3: 211-217.
13. **Hacker S.D.** and M.D. Bertness. **1999.** Experimental evidence for the factors maintaining plant species diversity in a New England salt marsh. **Ecology** 80: 2064–2073.
12. Wu M.–Y., **S.D. Hacker**, D. Ayres and D.R. Strong. **1999.** Potential of *Prokelisia* spp. as biological control agents of English cordgrass, *Spartina anglica*. **Biological Control** 16: 267–273.
11. Levine J.M., **S.D. Hacker**, C.D.G. Harley and M.D. Bertness. **1998.** Nitrogen effects on an interaction chain in a salt marsh community. **Oecologia** 117: 266–272.
10. **Hacker S.D.** and S.D. Gaines. **1997.** Some implications of direct positive interactions for community species diversity. **Ecology** 78: 1990–2003.
9. Madin L., P. Kremer, **S.D. Hacker**. **1996.** Distribution and vertical migration of salps (Tunicata, Thaliacea) near Bermuda. **Journal of Plankton Research** 18:747–755.
8. **Hacker S.D.** and M.D. Bertness. **1996.** Trophic consequences of a positive plant interaction. **The American Naturalist** 148: 559–575.
7. **Hacker S.D.** and M.D. Bertness. **1995.** Morphological and physiological consequences of a positive plant interaction. **Ecology** 76: 2165–2175.
6. **Hacker S.D.** and M.D. Bertness. **1995.** A herbivore paradox: why salt marsh aphids live on poor quality plants. **The American Naturalist** 145: 192–210.
5. Bertness M.D. and **S.D. Hacker**. **1994.** Physical stress and positive associations among marsh plants. **The American Naturalist** 144: 363–372.
4. Goyet C. and **S.D. Hacker**. **1992.** Procedure for calibration of a coulometric system used for total inorganic carbon measurements of seawater. **Marine Chemistry** 38: 37–51.
3. **Hacker S.D.** and L.P. Madin. **1991.** Why habitat architecture and color are important to shrimp living in pelagic *Sargassum*: use of camouflage and plant–part mimicry. **Marine Ecology Progress Series** 70: 143–155.
2. Steneck R.S., **S.D. Hacker**, and M.N. Dethier. **1991.** Mechanisms of competitive dominance between crustose coralline algae: an herbivore-mediated competitive–reversal. **Ecology** 72: 938–950.
1. **Hacker S.D.** and R.S. Steneck. **1990.** Habitat architecture and the abundance and body size–dependent habitat selection of a phytal amphipod. **Ecology** 71: 2269–2285.

GRANTS FUNDED

Total Career (1996-2023)

Total grants funded as of November 22, 2023 = 33 grants

Total funding as of November 22, 2023 = \$32.5 million, \$3.6 million Hacker share

Title	PI and co-PIs	Agency
33. Using ESLR funded datasets and tools to evaluate alternative backshore management options along US Pacific Northwest coastlines	Hacker PI and co-PIs Wengrove, Ruggiero, Dundas	NOAA/NOS/NCCOS 2023 Effects of sea level rise

32. Fundamental research to advance the understanding and prediction of coastal processes for the US West Coast	Cox PI and co-PIs Evans, Hacker, Haller, Hill, Ozkan-Haller, Ruggiero, Wengrove, Wilson	US Army Corp of Engineers
31. Large scale CoPe: The Cascadia Coastlines and People Hazards Research Hub	Ruggiero PI and 40 project personnel including Hacker	National Science Foundation
30. Impacts of a novel invasive beachgrass hybrid on biodiversity and climate change-induced flooding risk in Pacific Northwest coastal dunes	Askerooth PI (grad student) and co-PI Hacker	NW Climate Adaptation Science Center Research Fellowship Program, DOI
29. Exploring foredune restoration strategies with native and invasive plants to guide management practices on the Oregon coast	Wengrove PI with co- PIs Hacker and Ruggiero	Agricultural Research Foundation, Oregon State University
28. From genes to dunescapes: genetic and ecological consequences of a new “supergrass” hybrid for US Pacific Northwest coast ecosystem services	Hacker PI with co-PI Barreto	Oregon Sea Grant Program, NOAA
27. How do beachgrasses build dunes? Exploring foredune stability with native and invasive grasses to guide management practices on the Oregon coast	Wengrove PI with co- PIs Hacker, Ruggiero	Oregon Sea Grant Program, NOAA
26. Real time kinematic global position system	Ruggiero PI with 7 co- PIs including Hacker	Research Equipment Reserve Fund
25. Optimizing the ecosystem services of US Pacific Northwest coastal beaches and sand dunes through adaptation planning	Ruggiero PI with co- PIs Hacker, Dundas	NOAA/NOS/NCCOS/CRP 2019 Ecological effects of sea level rise
24. <u>Supplemental</u> : The Coastal Recovery from Storms Tool (CREST): A model for assessing the impact of sea level rise on natural and managed beaches and dunes	Ruggiero PI with co- PIs Hacker, Moore	NOAA/NOS/NCCOS/CRP Ecological effects of sea level rise
23. Does ocean productivity contribute to dune ecosystem function? Connecting wrack subsidies to Oregon dune coastal protection and conservation services	Hacker PI with co-PIs Ruggiero, Chan	NOAA Oregon Sea Grant Program
22. A multidisciplinary, integrative approach to valuing ecosystem services from natural infrastructure	Dundas PI with co-PIs Hacker, Lewis, Kling, Cox, Ruggiero, Parrish	NOAA/NOS/NCCOS/CRP
21. The Coastal Recovery from Storms Tool (CREST): A model for assessing the impact of sea level rise on natural and managed beaches and dunes	Ruggiero PI with co- PIs Hacker, Moore	NOAA/NOS/NCCOS/ CSOR 2014 Ecological effects of sea level rise
20. Consequences of climate change for coastal protection and other ecosystem services provided by coastal dunes	Ruggiero PI with co- PIs Hacker, Bolte	NOAA COCA
19. Preparing for climate change in Oregon estuaries: flooding, ecological impacts, and an integrated approach toward adaptive management	Hill PI with co-PIs Hacker, Allen	Oregon Sea Grant Program, NOAA
18. Systems Science in Marine Biology (SSIMBio): Developing the symbiotic anemone <i>Anthopleura elegantissima</i> as a systems biology model for studying response to climate change	Novak, Meyer PIs with co-PIs Chan, Denver, Hacker, Menge, Vega Thurber, Weis	Oregon Sea Grant Program, NOAA
17. Systems Science in Marine Biology (SSIMBio): Building a multidisciplinary research, education, and outreach program to study climate change from molecules to ecosystems	Denver, Hacker PIs with co-PIs Chan,	Oregon Sea Grant Program, NOAA

	Menge, Meyer, Novak, Vega Thurber, Weis	
16. Collaborative Research: The role of calcifying algae as a determinant of rocky intertidal macrophyte community structure at a meta-ecosystem scale	Menge PI with co-PIs Hacker, Chan, Nielsen	National Science Foundation
15. Beach grass invasions and coastal flood protection: forecasting the effects of climate change on coastal vulnerability	Hacker PI with co-PIs Seabloom, Ruggiero	EPA, USDA, STAR Program
14. Integrating invasion ecology and dune geomorphology to project coastal vulnerability in Oregon and Washington	Hacker PI with co-PIs Seabloom, Ruggiero	Oregon Sea Grant Program, NOAA
13. Collaborative: Scaling up from community to meta-ecosystem dynamics in the rocky intertidal—a comparative-experimental approach	Menge PI with co-PIs Hacker, Chan, Nielsen	National Science Foundation
12. Scale-dependent and indirect effects of filter feeders on eelgrass: understanding complex ecological interactions to improve environmental impacts of aquaculture	Ruesink PI with co-PIs Hacker, Dumbauld	Western Regional Aquaculture Center, USDA
11. The role of marine-influenced primary producers as mediators to the light environment of eelgrass habitats in the South Slough NERR, Oregon	Hessing-Lewis PI (grad student) with co-PI Hacker	NERRS, Graduate Research fellowship, NOAA
10. Communicating the science of marine reserves to Latin American audiences	Lubchenco PI with co-PIs Hacker, B. Simler	David and Lucile Packard Foundation
9. Invasion and removal of two invasive grasses in Pacific Northwest coastal dune systems	Hacker PI with co-PI E. Seabloom	Oregon Sea Grant Program, NOAA
8. <i>Spartina</i> eradication and education service-learning project—Phase 2	Hacker PI with co-PIs S. Richards, J. Feldman, C. Burt	Washington Sea Grant Program, NOAA
7. Does timing of removal of an invasive marine grass increase successful control and habitat restoration?	Hacker PI with co-PI M. Fleming	M.J. Murdock Charitable Trust, Partners in Science
6. <i>Spartina</i> eradication and education service-learning project: A regional community based partnership	Hacker PI with co-PIs S. Richards, J. Feldman, C. Burt	Washington Sea Grant Program, NOAA
5. Mechanisms of invasion of the English cordgrass, <i>Spartina anglica</i> : seed production and seedling establishment	Hacker PI with co-PI M. Dethier	Washington Sea Grant Program, NOAA
4. Factors controlling plant species diversity in a Pacific Northwest salt marsh	Hacker PI	WSUV and WSU College of Sciences, Mini Grant 2000
3. Predicting the invasion potential and consequences of the cordgrass, <i>Spartina anglica</i> , within Padilla Bay, WA.	Hacker PI with co-PI E. Hellquist	National Estuarine Research Reserve System, Graduate Fellowship
2. Invasion in salt marshes and mud flats in Puget Sound, WA on and eradication of the alien plant, <i>Spartina anglica</i>	Hacker PI with co-PI M. Dethier	National Sea Grant Program, Aquatic Nuisance Species Program, NOAA
1. Pattern of invasion and eradication of the alien plant, <i>Spartina anglica</i> , in Puget Sound salt marshes	Hacker PI	WSU, College of Sciences Mini Grant

SUPERVISION OF GRADUATE STUDENT RESEARCH

23. Ian Clifford, PhD candidate 2023, Integrative Biology, Provost Graduate Fellowship, Thesis proposal pending.
22. Danielle Whalen, PhD candidate 2022, Integrative Biology, Thesis proposal pending.
21. Zecharian Meunier, PhD Integrative Biology 2017–2023, NSF GRFP, Provost Graduate Fellowship. Thesis title: The roles of Recruitment, Species Interactions, and Oceanographic Context in Structuring Rocky Intertidal Communities of the Pacific Northwest and Atlantic Canada.
20. John Stepanek, MS Integrative Biology 2018–2023, NSF GRFP. Thesis title: Carbon Storage in U.S. Pacific Northwest Coastal Dunes: The Role of Invasive Beachgrasses and Sand Supply.
19. Risa Askerooth, MS Integrative Biology 2020-2023, NW CASC Internship. Thesis title: The Range, Abundance, Spread, and Biophysical Effects of a Novel, Invasive Beachgrass Hybrid, *Ammophila arenaria* × *A. breviligulata*, on U.S. Pacific Northwest Coastal Dunes.
18. Rebecca Mostow, PhD Integrative Biology 2016–2022, NSF GRFP, Provost Graduate Fellowship. Thesis title: Hybridization of Non-Native Dune-Building Beachgrasses on the U.S. Pacific Northwest Coast: Characterization of Functional Morphology, Hybrid Swarm Composition, and Ecological Consequences of *Ammophila arenaria* × *A. breviligulata*.
17. Katya Jay, PhD Integrative Biology 2016-2021. Thesis title: Investigating the Role of Dune Grasses, Carbon Storage, and Marine Nutrient Subsidies to the Functions and Services of U.S. Atlantic Coastal Dune Ecosystems.
16. Caitlin Magel, PhD Integrative Biology 2015-2020, NSF NRT Fellowship. Thesis title: Ecosystem Functions of Pacific Northwest Estuaries: The Role of Ocean and Watershed Drivers in Eelgrass and Coho Salmon Dynamics.
15. Vanessa Constant, PhD Integrative Biology 2014-2019. Thesis title: Coastal Dunes as Meta-ecosystems: Connecting Marine Subsidies to Dune Ecosystem Functions on the U.S. Pacific Northwest Coast.
14. Reuben Biel, PhD Zoology 2011–2017, Provost Graduate Fellowship, EPA STAR Fellowship. Thesis title: Coastal Dune Ecology, Geomorphology, and Ecosystem Services: How Invasive Beachgrasses, their Interactions, and Sediment Dynamics Shape U.S. Pacific Northwest Dunes.
13. Jennifer Motley, MS Marine Resource Management 2014-2017 (Co-advisor: Fiona Tomas Nash). Thesis title: Local and Regional Patterns in Eelgrass (*Zostera marina* L.) Communities Along an Upwelling-Productivity Gradient in Oregon Estuaries, USA.
12. Alison Barner, PhD Zoology 2010–2016, EPA STAR Fellowship (Co-advisor: Bruce Menge). Thesis title: Predictability and Constraints on the Structure of Ecological Communities in the Context of Climate Change.
11. Lindsay Carroll, MS Marine Resource Management 2013–2016. Thesis title: Evaluating Coastal Protection Services Associated with Restoration Management of an Endangered Shorebird in Oregon, U.S.A.
10. Jessica Reimer, MS Zoology 2011–2014 (Co-advisor: Bruce Menge). Thesis title: Patterns of Macrophyte Wrack Deposition on Sandy Beaches of the Pacific Northwest Coast, U.S.A.
9. Jeremy Henderson, MS Zoology 2010–2013. Thesis title: Direct Effects and Tradeoffs Affect Vegetative Growth and Sexual Reproduction in an Invasive Seagrass Experiencing Different Disturbance Regimes.
8. Phoebe Zarnetske, PhD Zoology 2006–2011, NSF IGERT Fellowship (Co-advisor: Eric Seabloom), Thesis title: The Influence of Biophysical Feedbacks and Species Interactions on Grass Invasions and Coastal Dune Morphology in the Pacific Northwest, USA.
7. Margot Hessing–Lewis, PhD Zoology 2005–2011, NERRS Graduate Fellowship (Co-advisor: Bruce Menge), Thesis title: Context Dependent Eelgrass-Macroalgal Interactions in Upwelling-Influenced Estuaries.
6. Orissa Moulton, MS Zoology 2008–2010. Thesis title: Surfgrasses (*Phyllospadix* spp.) as Dynamic Foundation Species for Macroinvertebrates Along the Oregon coast.
5. Paulina Guarderas, MS Environmental Science 2004-2007 (Co-advisor: Jane Lubchenco), Thesis Title: Marine Conservation in Latin America and the Caribbean: An Analysis of Marine Protected Areas (MPAs).

4. Lorena Wisheart, MS Environmental Science 2003-2006. Thesis Title: Impacts of Oysters on Eelgrass (*Zostera marina* L.): Importance of Early Life History Stages in Response to Aquaculture Disturbance.
3. Nathan Reynolds, MS Environmental Science WSU Vancouver 2002-2009.
2. Rebecca Martin, MS Environmental Science WSU Vancouver 2003-2005. Thesis Title: Identifying Common Stream Characteristics Using Geomorphological Associations on the Gifford Pinchot National Forest: Implications for Management and Restoration.
1. Tabitha Reeder, MS Environmental Science WSU Vancouver 2000-2002. Thesis Title: Removing a Nonindigenous Marine Plant (*Spartina anglica*): Importance of Habitat Type and Consistent, Long-term Control on Regrowth and Reinvasion.

Supervision of Postdoctoral Research

4. Quentin Laporte Fauret, 2022-present, PhD University of Bordeaux, France. Research of the biophysical feedbacks in coastal dunes. Co-Mentors: Meagan Wengrove and Peter Ruggiero.
3. Annaliese Hettinger, 2013-2015, PhD UC Davis. Research on the effects of ocean acidification on marine algae. Co-Mentors: Bruce Menge and Francis Chan.
2. Leigh Tate, 2010-2012, PhD University of Canterbury. Research on the effects of ocean acidification on marine algae. Co-Mentors: Bruce Menge and Francis Chan.
1. I-Yun Mandy Tu, PhD 2000, University of California Davis. Research on invasion and control on reed canary grass, *Phalaris arundinacea*, in collaboration with The Nature Conservancy.

Supervision of Faculty Research Assistant Research

2. Shawn Gerrity, 2009-2015. Research on dune plant invasions and the effects of ocean acidification.
1. Ryan Craig, 2008-2011. Research on community ecology of rocky intertidal systems.

PROFESSIONAL SERVICE

DEPARTMENTAL, COLLEGE, AND UNIVERSITY SERVICE

- 23/24: Member, Field Safety Task Force, Integrative Biology, OSU.
- 21/23: Member, Executive Committee, Integrative Biology, OSU.
- 22/23: Co-Chair, Graduate Curriculum Bridge Committee, Integrative Biology, OSU
- 22/23: Member, Promotion and Tenure Committee, College of Science, OSU.
- 21-22: Member, Strategic Planning Committee, College of Science, OSU.
- 20-21: Member, Research Committee, College of Science, OSU.
- 19-21: Chair, Departmental Newsletter Committee, Integrative Biology, OSU.
- 18-21: Member, Promotion and Tenure Committee, College of Science, OSU.
- 18-20: Coordinator, Ecampus Zoology degree, Integrative Biology, OSU.
- 18-20: Chair, Graduate Curriculum Committee, Integrative Biology, OSU.
- 17-20: Member, College of Science Curriculum Committee, OSU.
- 12-20: Chair, Undergraduate Curriculum Committee, Integrative Biology, OSU.
- 14-20: Member, School of Life Sciences Curriculum Committee, College of Science, OSU.
- 18 Diversity, Equity, and Inclusion training, Integrative Biology, OSU.
- 17-18: Member (*ex officio*), Executive Committee, Integrative Biology, OSU.
- 17-18: Member (*ex officio*), Space Committee, Integrative Biology, OSU.
- 17-18: Member (*ex officio*), Graduate Curriculum Committee, Integrative Biology, OSU.
- 17-18: Chair, Student Engagement Committee, Integrative Biology, OSU.
- 17 Co-Chair, Faculty Promotion Committee, Sarah Henkel, Integrative Biology, OSU.
- 16-17: Member, Annual Peer Review of Faculty, Integrative Biology, OSU

- 15–16: Member, Personnel Committee, Integrative Biology, OSU.
- 13–16: Member, *Ad hoc* Marine Studies Strategic Planning Committee, Integrative Biology, OSU.
- 13-16: Senator, Faculty Senate, College of Science, OSU.
- 15–16: Chair, Faculty Promotion Committee, Devon Quick, Integrative Biology, OSU.
- 05-15: Member, HMSC Academic Programs Committee, OSU.
- 14–15: Co-Chair, Learning Models Subcommittee, Marine Studies Initiative Executive Committee, OSU
- 13–14: Member, *Ad hoc* Provost Initiative Hiring Committee, Integrative Biology, OSU.
- 13-14: Member, Personnel Committee, Integrative Biology, OSU.
- 12-13: Member, *Ad Hoc* Strategic Planning Subcommittee, Zoology, OSU.
- 12-13: Member, Director of Research Development, Research Office, OSU.
- 12-13: Member, Personnel Committee, Zoology, OSU.
- 11-12: Member, HMSC Director Search, Research Office, OSU.
- 11-12: Chair, Women in Science Award Committee, COS, OSU
- 11-12 Member, Provost’s HMSC Action Team, Research Office, OSU.
- 11-12: WIC faculty training course (5 wks), proposal for WIC approval for Bi 450, OSU.
- 11-12: Chair, Promotion Committee, Jerod Sapp, Zoology, OSU.
- 11-12: Chair, Annual Peer Review of Faculty, Zoology, OSU.
- 10-11: Chair, Ecosystem Ecology Faculty Search, Zoology, OSU.
- 10: Affirmative Action Training, Office of Affirmative Action, OSU.
- 10-11: Member, HMSC External Review, Research Office, OSU.
- 09-10 Member, Ad hoc Life Sciences Reorganization Committee, Zoology, OSU.
- 09-10 Member, Graduate Studies Committee, Zoology, OSU.
- 08-09: Member, Life Sciences Curriculum Committee, COS, OSU.
- 07-09: Chair, Graduate Studies Committee, Zoology, OSU.
- 06-07: Member, Mission Subcommittee, Zoology, OSU.
- 06-07: Member, Life Sciences Reorganization Task Force, COS, OSU.
- 05-06: Member, Ecology and Evolutionary Biology Steering Committee, COS, OSU.
- 05-06: Member, Undergraduate Fellowship Committee, Zoology, OSU.
- 04–05: Member, Graduate Student Admissions, Zoology, OSU.
- 04-05: Member, Strategic Planning Committee, Zoology, OSU.
- 02–04: Member, Faculty Mentoring Committee, WSU Vancouver.
- 01–02: Chair, Ecology Faculty Search, WSU Vancouver.
- 00–01: Member, Conservation Biology Faculty Search, WSU Vancouver.
- 00–04: Member, Graduate Student Admissions, Environmental Science, WSU Vancouver.
- 99–04: Member, Student Conduct Board Committee, WSU Vancouver.
- 98–01: Member, Project Planning Committee, Engineering/Sciences Building, WSU Vancouver.
- 97–99: Member, Academic Integrity Committee, Faculty Senate, WSU Pullman.
- 96–97: Member, Evolutionary Genetics Faculty Search, WSU Vancouver.
- 96–97: Member, Environmental Science Faculty Search, WSU Vancouver.

INTERNATIONAL/NATIONAL PROFESSIONAL SERVICE

- 94–present: Journal/Proposal Reviewer; over 500 proposals and scientific papers.
- 11–14: Subject Matter Editor, *Marine Biology Research* journal, Taylor and Francis Group, UK.
- 11: Reviewer, Review of the National Coastal Condition Report IV, Chapter 6: West Coast Coastal Condition, EPA, Triangle Park, NC.
- 09: Member, Review Committee, Conservation Resource Management Program, NCEAS, UC Santa

- Barbara, Santa Barbara, CA
- 08-09: Chair, Science Advisory Board, National Center for Ecological Analysis and Synthesis, University of California Santa Barbara, CA.
- 06-09: Board Member, Science Advisory Board, National Center for Ecological Analysis and Synthesis, University of California Santa Barbara, CA.
- 01-09: Receiving Editor, *Ecology Letters*, Blackwell Scientific, Paris, France.
- 05: Guest Subject Matter Editor, *Ecology/Ecological Monographs*, Ecological Society of America.
- 04: Panelist, Washington Sea Grant Program Performance Review, University of Washington.
- 02-04: Advisor, Aquatic Nuisance Species Advisory Committee, Washington Sea Grant Program.
- 02: Panel Member, National Science Foundation, Ecology Program Advisory Panel.
- 01-04: Council Member, Natural Heritage Advisory Council, State of Washington.
- 99: Panel Member, National Science Foundation, Physiological Ecology Advisory Panel.
- 98-99: Board Member, Northwest Scientific Association.