

CURRICULUM VITAE

CATHERINE E. DE RIVERA

September, 2025

Education

Ph.D. 1999 Biology (emphasis: Behavioral Ecology), University of California San Diego
B.A. 1990 Biology, Earlham College

Employment

Full Professor, Environmental Sciences and Management, Portland State University 2016-present
Chair, Oregon Invasive Species Council, Oregon 2020
Department Chair, Environmental Sciences and Management, Portland State University 2017-2019
Associate Professor, Environmental Sciences and Management, Portland State University 2012-2016
Assistant Professor, Environmental Sciences and Management, Portland State University, 2006-2012
Research Assistant Professor, Aquatic Bioinvasion Research & Policy Institute and Environmental Sciences and Resources, Portland State University, 2005-2006
Biologist and Postdoctoral Fellow, Smithsonian Environmental Research Center, Edgewater, MD, 2001-2005
Assistant Professor, Dept. Biology, Hobart & William Smith Colleges, Geneva, NY, 2000-2001
Lecturer, Department of Biology, University of California San Diego, La Jolla, CA, 2000
Teaching Assistant, University of California San Diego, La Jolla, CA, 1995-1997
Laboratory Technician, Lab of Immunopathology, NIH, Bethesda, MD, 1992-1994
Cetacean Research Intern and Naturalist, Center for Coastal Studies, Provincetown, MA, 1992
Science Faculty, Sandy Spring Friends High School, Sandy Spring, MD, 1990-1991
Curator of Ornithology, Joseph Moore Natural History Museum and Teaching Assistant, Earlham College, Richmond, IN, 1988-1990

Dissertation

Conflict over mate searching in fiddler crabs. University of California, San Diego, 1999. Committee: Vehrencamp SL (advisor), Bradbury JW, Dayton PK, Roy K, Crawford V

Book Chapters

de Rivera CE, Heath CA. 2023. Climate change and multiple stressors. In Ecophysiology of the green shore crab *Carcinus maenas* and closely related species.” Editors: Iain McGaw and Dirk Weihrauch. Elsevier <https://www.sciencedirect-com.proxy.lib.pdx.edu/science/article/abs/pii/B9780323996945000118?via%3Di%3Dhub>

Refereed Publications (Articles)

(* = graduate student author; ** = undergraduate student author)

45. Haeffner M, Finley S*, **de Rivera C**, Grosholz E, Gonzalez JA*, Roberston-Rojas V, Schooler S, Comet S, Engelmeyer P (2025) Social and ecological connectivity: A Q-methodology investigation of coastal estuary perceptions in Oregon. *Biological Conservation*.
<https://doi.org/10.1016/j.biocon.2025.111277>
44. **de Rivera CE**, Larson AA, Rubinoff BG, Soto LR**, Wright SL**, Grosholz ED, Ruiz GM, Chang AL (2025) Consumption pressure in estuaries peaks at intermediate salinities. In: Fowler A, Robinson T, Bortolus A, Canning-Clode J, Therriault T (Eds) *Proceedings of the 11th International Conference on Marine Bioinvasions*. *Aquatic Invasions* 20(1):153-173. <https://doi.org/10.3391/ai.2025.10.1.151447>
43. Jeppesen R, **de Rivera CE**, Grosholz ED, Tinker MT, Hughes BB, Eby R, Wasson K (2025) Recovering population of the southern sea otter suppresses a global marine invader. *Biological Invasions* 27, 33. <https://doi.org/10.1007/s10530-024-03467-3>
42. Guderyahn LB*, Stewart EM, Beilke SG, **de Rivera CE**, Hayes MP. 2023. Long-term recapture of (western painted turtle (*Chrysemys picta bellii*): longevity implications. *Northwestern Naturalist* 104(1): 72-76.
41. Battle KF*, Duhon A, Vispo CR, Crimmins TM, Rosenstiel TN, Armstrong-Davies LL, **de Rivera CE** (2022). Citizen science across two centuries reveals phenological change among plant species and functional groups in the Northeastern US. *Journal of Ecology* 110(8): 1757-1774.
<http://doi.org/10.1111/1365-2745.13926> ‘Editor’s Choice’ for issue.
40. Hardy C*, **de Rivera C**, Bliss-Ketchum L, Butler E*, Dissanayake S, Horn D*, Huffine B*, Temple A*, Vermeulen M*, Wallace H*, Karps J. (Accepted). Ecosystem connectivity for livable cities: A connectivity benefits framework for urban planning. *Ecology and Society* 27(2):36
<https://www.ecologyandsociety.org/vol27/iss2/art36/>
39. **de Rivera CE**, Bliss-Ketchum LL, Lafrenz MD, Hanson AV, McKinney-Wise* LE, Rodriguez AH, Schultz J, Simmons AL*, Taylor Rodriguez D, Temple AH, Wheat RE. (2022) Visualizing connectivity for wildlife in a world without roads. *Frontiers in Environmental Science* 16 February 2022. doi: 10.3389/fenvs.2022.757954
38. Tepolt CK, Grosholz ED, **de Rivera CE**, Ruiz GM (2022) Balanced polymorphism fuels rapid selection in an invasive crab despite high gene flow and low genetic diversity. *Molecular Ecology* 31(1), pp.55-69. DOI: 10.1111/mec.16143. **Selected for MEC’s News and Views Perspective.**
37. Butler EP*, Bliss-Ketchum LL, **de Rivera CE**, Dissanayake STM, Hardy CL*, Horn DA*, Huffine B*, Temple AM*, Vermeulen ME*, Wallace H* (2022) Habitat, geophysical, and eco-social connectivity: benefits of resilient socio–ecological landscapes. *Landscape Ecology* 37, 1-29.
<https://doi.org/10.1007/s10980-021-01339-y> **Honorable mention for the 2022 Landscape Ecology's Best Article**

36. Battle KF*, Cruzan M, **de Rivera CE** (2021). The role of functional diversity and facilitation in small-scale pollinator habitat. Ecological Applications. e2355 <https://doi.org/10.1002/eap.2355>
35. Grosholz ED, G Ashton, M Bradley**, L Ceballos, A Chang, **CE de Rivera**, J Gonzalez*, M Heineke, M Maraffini, L McCann, E Pollard*, I Pritchard, G Ruiz, C Tepolt (2021) Stage-specific overcompensation, the hydra effect and the failure to eradicate an invasive predator. Proceedings of the National Academy of Sciences 118(12). (authors alphabetical after first author) <https://doi.org/10.1073/pnas.2003955118>
34. Kincaid ES, **de Rivera CE** (2020) Predators associated with marinas consume indigenous over non-indigenous ascidians. Estuaries & Coasts. <https://doi.org/10.1007/s12237-020-00793-2>
33. Peters JR*, Granek EF, **de Rivera CE**, Rollins M** (2017) Prozac in the water: chronic fluoxetine exposure and predation risk interact to shape behaviors in an estuarine crab. Ecology and Evolution; 1-11. DOI: 10.1002/ece3.3453
32. Munoz LST**, Kelley AL*, **de Rivera CE** (2017) The effect of salinity acclimation on the upper thermal tolerance threshold of the European green crab. Oceanography & Fisheries 4(1), DOI: 10.19080/OFOAJ.2017.04.555627
31. Turner BC*, **de Rivera CE**, Hepner ME** (2017) Examining inducible defenses to novel predators across native and introduced populations. Marine Ecology Progress Series 574:13-27. DOI: <https://doi.org/10.3354/meps12207>
30. Zielin SB*, Littlejohn RJ*, **de Rivera CE**, Smith WP, Jacobson SL (2016) Ecological investigations to select mitigation options to reduce vehicle-caused mortality of a threatened butterfly. Journal of Insect Conservation, 20(5), pp.845-854.
29. Bliss-Ketchum L*, **de Rivera CE**, Turner BC*, Weisbaum D* (2016). The effect of artificial light on wildlife use of a passage structure. Biological Conservation 199: 25-28.
28. Jacobson SL, Bliss-Ketchum L*, **de Rivera CE** (2016) A behavior-based framework for assessing barrier effects to wildlife from road traffic. Ecosphere 7(4) e01345.
27. Turner BC*, **de Rivera CE**, Grosholz ED, Ruiz GM (2016) Assessing population increase as a possible outcome to management of invasive species. Biological Invasions 18(2)533-48. DOI: 10.1007/s10530-015-1026-9
26. Kelley AL*, **de Rivera CE**, Grosholz ED, Ruiz GM, Behrens Yamada S, Gillespie G (2015) Thermogeographic variation in body size of *Carcinus maenas*, the European green crab. Marine Biology 162(8):1625-1635. Doi: 10.1007_s00227-015-2698-5
25. Davidson TM*, **de Rivera CE**, Hsieh HL (2014) Damage and alteration of mangroves inhabited by a marine wood-borer. Marine Ecology Progress Series 516: 177-185. doi: 10.3354/meps11046

24. Fuccillo KK*, Crimmins TM, **deRivera CE**, Elder TS* (2014) Assessing accuracy in citizen science-based plant phenology monitoring. International Journal of Biometeorology. DOI 10.1007/s00484-014-0892-7
23. Miller AK*, **de Rivera CE**. (2014) Small tidal channels improve foraging opportunities for *Calidris* shorebirds. Condor 116:113-121. DOI: 10.1650/CONDOR-13-003-R1.1
22. Dresner M, **de Rivera C**, Fuccillo K*, Chang H (2013) Improving higher-order thinking and knowledge retention in environmental science teaching. Bioscience 64(1). doi: 10.1093/biosci/bit005
21. Kelley AL*, **de Rivera CE**, Buckley BA (2013) Cold tolerance of the invasive *Carcinus maenas* in the east Pacific: molecular mechanisms and implications for range expansion in a changing climate. Biological Invasions 15 : 2299-2309. DOI : 10.1007/s10530-013-0454-7
20. Davidson TM*, Carlton JT, **de Rivera CE** (2013) Seawater temperature mediates the biological erosion and plastic pollution of a non-native burrowing crustacean. Journal of Experimental Marine Biology & Ecology 446: 115-121.
19. Davidson TM*, **de Rivera CE** (2012) Per capita effects and burrow morphology of a burrowing isopod (*Sphaeroma quoianum*) in different estuarine substrata. Journal of Crustacean Biology 32(1): 25-30. DOI:10.1163/193724011X615299
18. Kelley AL*, **de Rivera CE**, Buckley BA (2011) Intraspecific variation in thermotolerance and morphology of the invasive European green crab, *Carcinus maenas*, on the west coast of North America. Journal of Experimental Marine Biology & Ecology 409 :70-78. DOI: 10.1016/j.jembe.2011.08.005
17. **de Rivera CE**, Steves BP, Fofonoff PW, Hines AH, Ruiz GM (2011) Potential for high latitude marine invasions along western North America. Diversity and Distributions 17(6): 1198-1209. DOI:10.1111/j.1472-4642.2011.00790.x
16. **de Rivera CE**, Grosholz ED, Ruiz GM (2011) Multiple and long term impacts of an introduced marine predator. Marine Ecology Progress Series. 429:145-155. DOI:10.3354/meps09101
15. Brenneis VEF*, Sih A, **de Rivera CE** (2011) Integration of an invasive consumer into an estuarine food web: Direct and indirect effects of the New Zealand mud snail. Oecologia. 167(1):169-179, DOI 10.1007/s00442-011-1962-8
14. Davidson TM*, **de Rivera CE** (2010) Accelerated erosion of saltmarshes infested by the non-native burrowing crustacean *Sphaeroma quoianum*. Marine Ecology Progress Series: 419:129-136 DOI: 10.3354/meps08836
13. Brenneis VEF*, Sih A, **de Rivera CE** (2010) Coexistence in the intertidal: interactions between the non-indigenous New Zealand mud snail *Potamopyrgus antipodarum* and the native estuarine isopod *Gnorimosphaeroma insulare*. Oikos 119(11):1755-1764. doi: 10.1111/j.1600-0706.2010.18471.x

12. Davidson TM*, Brenneis VEF*, **de Rivera CE**, Draheim R, Gillespie GE (2008) Northern range expansion and coastal occurrences of the New Zealand mud snail (*Potamopyrgus antipodarum* Gray, 1843) in the northeast Pacific. Aquatic Invasions 3: 349-353.
11. **de Rivera CE**, Ruiz GM, Hitchcock NG, Teck SA, Steves B, Hines AH (2007) Larval development rate predicts range expansion of an introduced crab. Marine Biology 150:1275-1288.
10. **de Rivera CE**, Ruiz GM, Hines AH, Jivoff P (2005) Biotic resistance to invasion: native predator limits abundance and distribution of an introduced crab. Ecology 86:3364-3376
9. **de Rivera CE** (2005) Long searches for male-defended breeding burrows allow female fiddler crabs *Uca crenulata* to release larvae on time. Animal Behaviour 70: 289-297
8. **de Rivera CE** (2003a) Behavioral and ecological correlates of female mate searching in the fiddler crab *Uca crenulata*. Ethology Ecology & Evolution 15:235-249
7. **de Rivera CE** (2003b) Causes of a male-biased operational sex ratio in the fiddler crab, *Uca crenulata*. Journal of Ethology 21:137-144
6. **de Rivera CE**, Backwell PRY, Christy JH, Vehrencamp SL (2003) Density affects female and male mate searching in the fiddler crab, *Uca beebei*. Behavioral Ecology & Sociobiology 53:72-83
5. **de Rivera CE**, Vehrencamp SL (2001) Male versus female mate searching in fiddler crabs: a comparative analysis. Behavioral Ecology 12:182-191
4. **de Rivera CE** (2000) Belding's Savannah Sparrows eat eggs from live fiddler crabs. Wilson Bulletin 112:427-428
3. Giese N, McCarty TJ, **de Rivera C**, Giese T, Morse HC (1994) MHC class II-positive cells are required for development of MAIDS. Journal of Cellular Biochemistry (Supplement) 18D:365
2. Iverson JB, Barthelmess EL, Smith GR, **de Rivera CE** (1991) Growth and reproduction in the mud turtle, *Kinosternon hirtipes*, in Chihuahua, Mexico. Journal of Herpetology 25:64-72
1. Smith BH, **de Rivera CE**, Bridgman CL, Woida JJ (1989) Frequency dependent seed dispersal by ants of two deciduous forest herbs. Ecology 70:1645-1648

Non-Refereed Publications or Other Creative Achievements: Reports (subset of all)

Grosholz ED, Thom T, et al. 2023. 'Management Plan for the European Green Crab', submitted to the federal Aquatic Nuisance Species Task Force. June 2023

Zielin, S., **de Rivera CE**, Jacobson S., Smith WP. 2010. Exploring mitigation options to reduce vehicle-caused mortality of a threatened butterfly. Transportation Research Board Annual Meeting. Available: http://itre.ncsu.edu/ADC30/11_TRB_Winter_Conference/Presentations/Paper_11-2834.pdf.

Davidson TM*, Larson AA, **de Rivera CE**. 2009. “Early Detection and Rapid Response Plan for the European Green Crab, *Carcinus maenas*, in Alaska. Alaska Department of Fish & Game.

de Rivera CE. 2007. “Monitoring the West Coast: Determining the what, where, when, why and how of invasive species” Ballast Exchange, Newsletter of the West Coast Ballast Outreach Project. Winter 2007.

Reports for grants

Newcomb A, Rouhe A, de Rivera C. The Center for Lakes and Reservoirs at Portland State University
Dreissenid Mussel Early Detection Monitoring in Oregon: Columbia River Basin 2024-2025
Monitoring/Inspection Season July 2024-June 2025. Prepared for Pacific States Marine
Fisheries Commission and US Army Corps’ APC-WID program. August 29, 2025

Rouhe A, Newcomb A, de Rivera C. 2024. Supporting QZAP: Increasing the power of early detection in the state of Oregon interim performance report. April 1, 2024 – September 30, 2024. Prepared for Fish and Wildlife Management Assistance. Funding Opportunity # F24AP00002.

Jarka K, Newcomb A, Rouhe A, de Rivera C. 2024. Dreissenid Mussel Early Detection Monitoring in Oregon Signage report. Prepared for Oregon Marine Board.

Newcomb A, Rouhe A, de Rivera C, Jarka K. 2024. Dreissenid Mussel Early Detection Monitoring in Oregon Final report for period March 1, 2023 - Mar 1, 2024. Prepared for Oregon Marine Board and Pacific States Marine Fisheries Commission. IGA Agreement # PO-25000-00016749

Newcomb A, Rouhe A, de Rivera C, Jarka K. 2024. Columbia River Basin Dreissenid Mussel Early Detection Monitoring Annual Report. Monitoring period April 23, 2024 to June 30, 2024. Prepared for APC-WID and Pacific States Marine Fisheries Commission.

de Rivera CE, Shippentower C, Gregg R, Smeaton F, Staunch A. Final Report for grant from Western IPM to OISC via ODA for “Spreading Information not Invasive Species: Transforming a State List into a Dynamic Web-Based Regional Information Hub.” August, 2023.

Rouhe A, Newcomb A, de Rivera C. 2023. Supporting QZAP: Increasing the power of early detection in the state of Oregon Final Report. Funding Opportunity # F22AS00373. Prepared for Fish and Wildlife Management Assistance.

Newcomb A, Rouhe A, de Rivera C, Jarka K. 2023. Early detection surveys for zebra and quagga mussels in the Columbia River Basin and other waters in Oregon Annual Report. Prepared for the United States Bureau of Reclamation. Grant # R21AP10195-02

Rouhe A, Newcomb A, de Rivera C. 2023. Supporting QZAP: Increasing the power of early detection in the state of Oregon interim performance report. November 1, 2022 – April 30, 2023. Prepared for Fish and Wildlife Management Assistance. Funding Opportunity # F23A00035.

Rouhe A, Newcomb A, de Rivera C, Miller R, Sytsma M. 2022. Zebra and Quagga Mussel Monitoring in the Columbia River Basin Annual Report. Prepared for the Bureau of Reclamation.

- Turner BC, Gantz CA, **de Rivera CE**, Strecker AL & Sytsma MD. 2017. Zebra and Quagga Mussel Monitoring in the Columbia River Basin. Final report for the Pacific States Marine Fisheries Commission.
- Bliss-Ketchum LL*, Lafrenz M, **de Rivera CE**, Hennings L. 2014. Metro Regional Habitat Connectivity Project: Phase 2. Report for METRO.
- Zielin S*, **de Rivera CE**, Smith WP, Jacobson S A synopsis of the case study: targeting ecological investigations to prioritize management for reducing vehicle-caused butterfly mortality. ICOET Proceedings. 2011 Meeting.
- de Rivera CE**, Grosholz ED, Ruiz GM, Turner BC*, Brown CW, Steves BP, Larson AA, Sytsma MD. 2010. Green crab control methods, Phase 3 & 3b: Expanding capacity to control European Green Crab populations in the Northeast Pacific. Final Report for Pacific States Marine Fisheries Commission.
- de Rivera CE**, Bliss-Ketchum LL*. 2010. "The Effectiveness of Vertebrate Passage and Prevention Structures: a Study of Boeckman Road in Wilsonville." OTREC RR-07-01
- Davidson TM*, **de Rivera CE**. 2010. "Bioerosive effects of a non-native burrowing crustacean in a temperate northeast Pacific estuary" Final Report to NOAA.
- Jacobson S, **de Rivera CE**, Armstrong K, Aaby R**, Jones N*. 2009. "Rapid Assessment of 2008-2012 Highway Development Projects in Region 6: Threats and Opportunities to Terrestrial Wildlife Resources." USDA Forest Service
- Davidson TM*, **de Rivera CE**. 2008. "Regional surveys and outreach for the non-indigenous burrowing isopod, *Sphaeroma quoianum*" Final Report to USFWS, WRP-ANS.
- de Rivera CE**, Ruiz GM, Grosholz ED, Sytsma MD. 2007. "Green crab control methods: Evaluating factors important for eradication of *Carcinus maenas*." Report to NOAA and PSMFC.
- de Rivera CE**, Steves BP, Ruiz GM, Fofonoff P, Hines AH. 2007. Northward spread of marine NIS along western North America: Forecasting risk of colonization in Alaska waters using environmental niche modeling. Report to Prince William Sound RCAC. 64 pp.
- de Rivera CE**, Ruiz GM, Crooks JA, Wasson K, Lonhart SI, Fofonoff P, Steves BP, Rumrill SS, Brancato MS, Pegau WS, Bulthuis DA, Preisler RK*, Schoch GC, Bowlby E, DeVogelaere A, Crawford MK, Gittings SR, Hines AH, Takata L, Larson K, Huber T, Leyman AM, Collinetti E, Pasco T, Shull S, Anderson M, Powell S. 2005. Broad-scale nonindigenous species monitoring along the west coast in National Marine Sanctuaries and National Estuarine Research Reserves. Report to the National Fish & Wildlife Foundation. 126 pp.

Presentations at Professional Meetings (subset)

(first author presented unless noted with a ^P; students notated with * (graduate), ** (undergraduate))

- De Rivera CE, Gelling T**, Swanson K*, Schooler S, Mize I*, Brown K*. 2025. Recent expansion and impacts of the invasive crab, *Carcinus maenas* –Alaska Invasive Species Partnership Marine Invasive Species Committee Meeting. *Invited talk. Sept 17, 2025*

- Lower E, Gilbert C, Campbell T, Lower E, Chan S, de Rivera C. 2025. Perceptions About Use of Militaristic Language and Place-Based Common Names of Aquatic Introduced Species, International Asociation for Great Lakes Research, IAGLR's 68th Annual Conference on Great Lakes Research.
- Gilbert C, Campbell T, Lower E, Chan S, de Rivera C. 2025. Investigating perceptions of invasive species naming conventions and militaristic frames: A content analysis. 18th Biennial Conference on Communication and Environment. 23-27 June 2025 in Hobart, Tasmania, Australia
- Chan S, de Rivera CE, Campbell T, Hackett M**, Hernandez M**, Lower E, Mrogenski M**. 2024. Problems with Placed-based common names. Oregon Interagency Noxious Weed Symposium. Corvallis, Oregon. *Invited talk*. 12/12/ 24
- Phillips G**, de Rivera CE. 2025. Woofs and warbles: The influence of urban dog walking on birdsong. Urban Ecology & Conservation Symposium, March 17, 2025, Portland, Oregon. Poster – **won best poster**
- Cressotti C*, de Rivera CE, Nielsen-Pincus M. 2025. Do our experiences with wildlife shape urban landscapes and animal movement? Urban Ecology & Conservation Symposium, March 17, 2025, Portland, Oregon. Poster,
- Yates AW*, de Rivera CE, Kearney K*, Brewster L, Barnes S, Wheat R. 2025. Northern red-legged frog use of a new under-road crossing and adjacent upland habitat. Urban Ecology & Conservation Symposium March 17, 2025, Portland, Oregon
- Yates AW*, de Rivera CE, Kearney K*, Brewster L, Barnes S, Wheat R. 2025. Northern red-legged frog use of a new under-road crossing and adjacent upland habitat. Oregon Chapter, The Wildlife Society, February 23-25, Salem, Oregon.
- de Rivera CE, Campbell T, Chan S, Hackett M**, Hernandez M**, Lower E, Mrogenski M**. 2024. Perceptions about use of militaristic language and place-based common names of aquatic introduced species. 7-10 November 2024. Western Society of Naturalists 105th Meeting, Portland, Oregon.
- Larson AA, de Rivera CE, Chang AL, Rubinoff B, Grosholz ED, Ruiz GM. 2024. Consumption pressure in estuaries peaks at intermediate salinities. 7-10 November 2024. Western Society of Naturalists 105th Meeting, Portland, Oregon.
- Krige, Rodé**, CE de Rivera, L Guderyahn*, K Holzer. 'Can beaver-damming create habitat for Western pond and Northwestern painted turtle species in urban areas?' March 11, 2024 Urban Ecology Research Consortium Annual Symposium, Portland OR
- Cressotti C*, de Rivera C, Nielsen-Pincus M, Starry O. Anthropogenic resistance on occupancy of black-tailed deer (*Odocoileus hemionus columbianus*) and coyote (*Canis latrans*). Poster March 11, 2024 Urban Ecology Research Consortium Annual Symposium, Portland OR
- Hall G**, Larson C, de Rivera C, Liebezeit J, Dulin T, Lafrenz M. Assessment of avian community structure and habitat connectivity in the Fanno Creek corridor. Poster March 11, 2024 Urban Ecology Research Consortium Annual Symposium, Portland OR
- Guderyahn L*, de Rivera C, Hayes M. Creation of a new baseline dataset of freshwater turtle basking occupancy across NW Oregon using standardized survey methods. Poster March 11, 2024 Urban Ecology Research Consortium Annual Symposium, Portland OR
- Newcomb A*, Rouhe A, de Rivera C, Campbell G. *Nymphoides peltata* impacts and restoration effectiveness research, and Oregon invasive species sampling. Poster March 11, 2024 Urban Ecology Research Consortium Annual Symposium, Portland OR
- Swanson J**, Barnes S, Guderyahn L*, de Rivera C. Removal as a control method for introduced *Trachemys scripta elegans* and the response of *Chrysemys picta bellii*. Poster March 11, 2024 Urban Ecology Research Consortium Annual Symposium, Portland OR
- de Rivera, CE. Towards less problematic and more effective invasive species common names. 13th Annual Columbia Gorge Invasive Species and Exotic Pest Workshop. February 29, 2024, Stevenson, WA.

Gelling T**, C. de Rivera, Yu E***, Partida V***, Lhamo W. Juvenile Dungeness face high predation risk from green crabs across increased temperatures at different salinities. Poster presented at The Oregon Chapter of The Wildlife Society Annual Meeting; Feb 14-16, 2024; Hood River, OR.

Rodé Krige**, Cat de Rivera, Laura Guderyahn, Katie Holzer, How beavers (*castor canadensis*) affect habitat availability for two native oregon turtles. Poster presented at The Oregon Chapter of The Wildlife Society Annual Meeting; Feb 14-16, 2024; Hood River, OR.

Draheim R, de Rivera CE 'Updating the Oregon ANS Management Plan' Aquatic Nuisance Species Task Force Meeting, January 24-25 2024, Reston, Virginia.

Campbell T, Chan S, de Rivera C, McMellen A, Burgiel S, Greenwood L, Moffitt C, Wong WY, Daniel W, Morningstar C, Murray T, Grentz J, Lower E. 'Words have power: time to revisit invasive species nomenclature?' Aquatic Nuisance Species Task Force Meeting, January 24-25, Reston, Virginia.

de Rivera C, Casebolt J*, Gelling T**, Priestman P**, Wright S**. 'Risk assessment and development of a management plan for green crab in Oregon waters' (part of special session, Crab Encounters of the *Carcinus* Kind: invasion of the Oregon coast by non-native European green crab) State of the Coast, Newport, OR November 4, 2023

Gelling T**, C. de Rivera, Yu E, Partida V, Lhamo W. Juvenile Dungeness face high predation risk from green crabs across increased temperatures at different salinities. Poster presented at State of the Coast, Newport, OR November 4, 2023

de Rivera CE, 'Green crab biology and movement along the west coast of North America' invited talk to the Green Crab Rapid Response Exercise, Homer, Alaska, 29 Aug 2023, Virtual

de Rivera CE, Battle KF, 'Citizen science across two centuries reveals phenological change among plant species and functional groups in the Northeastern US.' Talk at the Ecology Society of America Annual meeting, Portland, Oregon, August 2023

de Rivera CE, Larson AA, Rubino B, Grosholz ED, Chang A, Ruiz GM. 'How do introduced predators affect consumer-stress predictions along the estuarine gradient? Poster at the Ecology Society of America Annual meeting, Portland, Oregon, August 2023

de Rivera CE, Larson AA, Rubino B, Chang A, Grosholz ED, Ruiz GM. 'How does invasion by predators affect consumer-stress predictions along the estuarine gradient?' International Congress for Marine Bioinvasions. Baltimore, Maryland May 2023

Lafrenz, M., C. de Rivera, Taylor-Rodriguez, Wheat, Bliss-Ketchum et al. "A world without roads" International Conference on Ecology and Transportation, Sep-Oct 2021, Virtual

de Rivera CE, Grosholz ED, Turner BC, Ruiz GM, Tepolt C, et al., Northwest Regional Invasive Species and Climate Change Symposium – invited talk. 2021, Virtual.

de Rivera, Grosholz, et al. Annual Shellfish Conference, 2019, Portland, Oregon

de Rivera, Grosholz et al. Salish Sea Ecosystem Conference 2018, Seattle Washington

Rogers, N.M., Bliss-Ketchum, L., Lafrenz, M. and C. de Rivera. Urban Connections: Comparing corridor assessment methods. Poster presented at: Urban Ecosystem Research Consortium of Portland/Vancouver; Feb 06, 2017; Portland OR.

Rogers, N.M., Bliss-Ketchum, L., Lafrenz, M. and C. de Rivera. Urban Connections: Comparing corridor assessment methods. Poster presented at: The Oregon Chapter of The Wildlife Society Annual Meeting; Feb 07-10, 2017; Pendleton, OR.

Jacobson S, de Rivera CE, Abelson E. The barrier effect of highway traffic on wildlife: a conceptual approach. Society for Conservation Biology presentation. July 2016

Lafrenz MD, Eppley SM, Inez Lawson, Andrew McCandless, de Rivera CE^P, Salt marsh response to dike removal: implications for future sea level rise. Coastal & Estuarine Research Federation. Portland, Oregon. November 2015.

Turner BC, de Rivera CE. A Pacific Northwest Clamtapstrophe: Examining inducible defenses to novel predators. Coastal & Estuarine Research Federation. Portland, Oregon. November 2015.

- McCandless A, de Rivera CE. Mooring impacts on *Zostera marina* meadows and associated epifauna in a New England bay. Coastal & Estuarine Research Federation. Portland, Oregon. November 2015.
- Lawson I; de Rivera CE; Lafrenz M. Saltmarsh invertebrate response to dike removal: implications for sea level rise. Coastal & Estuarine Research Federation. Portland, Oregon. November 2015. Poster.
- Gonzalez J; Chang A; McCann L; Marraffini M; Pollard E; de Rivera C; Ruiz G; Grosholz E. Demonstrating overcompensation in response to intensive removal of an invasive marine crab. Coastal & Estuarine Research Federation. Portland, Oregon. November 2015. Poster
- Kincaid E; de Rivera C. Do characteristics of non-native tunicates induce predator avoidance on suspended structures but not benthic substrata? Coastal & Estuarine Research Federation. Portland, Oregon. November 2015. Poster
- McClees W; de Rivera C. The threat of artificial structures: can non-native fouling organisms escape from marinas to natural habitat? Coastal & Estuarine Research Federation. Portland, Oregon. November 2015. Poster
- Lafrenz MD, de Rivera CE^p, Bliss-Ketchum LL*, Hennings L, Jacobson SL. Assessing habitat permeability at wildlife corridor-road intersections. International Conference on Ecology and Transportation. Raleigh, North Carolina. September 2015
- Bliss-Ketchum LL*, de Rivera CE^p, Turner BC*, Weisbaum DM*. The effect of artificial light on wildlife use of undercrossings. International Conference on Ecology and Transportation. Raleigh, North Carolina. September 2015
- Bliss-Ketchum LL*, de Rivera CE, Turner BC*, Weisbaum DM*. The effect of artificial light on wildlife use of undercrossings. International Urban Wildlife Conference. Chicago, Illinois, May 2015
- Truitt AM*, de Rivera CE, Invited Oral Presentation, Fertility reduction by *Wolbachia*, an endosymbiotic bacterium, in an endangered insect pollinator: a new obstacle for conservation programs. Hawkesbury Institute for the Environment Seminar, University of Western Sydney, Richmond, NSW, Australia, May 2015
- Kincaid E*, Draheim R, de Rivera C. Multi-State Fouling Management Plan. Invited talk to Pacific Ballast Water Group and Western Regional Panel for Aquatic Nuisance Species. Seattle, Washington, April 2015.
- Bliss-Ketchum LL*, de Rivera CE, Bowman C, Halesworth K, Cramer P. Lava Butte project wildlife crossing and collision monitoring results. ODOT Geo-Environmental conference. Salem, Oregon, April 2015
- Kincaid E*, de Rivera C. Testing whether characteristics of non-native tunicates induce predator avoidance on suspended structures but not benthic substrata Pacific Estuarine Research Society. Seattle, Washington, March 2015
- Fuccillo KK*; Crimmins TM, deRivera CE, Elder TS* Networked Ecological Initiatives for Climate Change Research and Education. Long Island Natural History Conference: Brookhaven National Lab, March 2015
- Bliss-Ketchum LL*, de Rivera CE, Turner BC, Weisbaum DM. The effect of artificial light on wildlife use of undercrossings. Society for Northwest Vertebrate Biology. Portland, Oregon, February 2015
- Lafrenz, M.D., Eppley S.M., de Rivera, C.E.^p Salt marsh response to dike removal: implications for future sea level rise. Western Society of Naturalists, Tacoma, Washington, November 2014.

- McCandless, A.W.*, Lafrenz, M.D., de Rivera, C.E. Delineating saltmarsh ecosystem services given sea level rise. Poster. Western Society of Naturalists, Tacoma, Washington, November 2014.
- Truitt, A.M.*, de Rivera, C.E. Two opposing risks to imperiled invertebrate populations: inbreeding depression versus *Wolbachia* induced cytoplasmic incompatibility. Western Society of Naturalists, Tacoma, Washington, November 2014.
- Turner, B.C.*, de Rivera, C.E. Examining inducible defenses to novel predators. Western Society of Naturalists, Tacoma, Washington, November 2014.
- Truitt AM*, de Rivera CE, Fertility reduction by *Wolbachia*, an endosymbiotic bacterium, in an endangered insect pollinator: a new obstacle for conservation programs. Arthur M. Sackler Colloquia of the National Academy of Sciences, Symbioses becoming permanent: The origins and evolutionary trajectories of organelles. Irvine, CA. October 2014.
- Fuccillo KK*; Crimmins TM, deRivera CE, Elder TS*. Community Scientists on the Phenological Frontier: Data accuracy and models of networked initiatives. Catskills Environmental Research and Monitoring Conference Highmount, New York, October 2014.
- Robertson-Rojas, V.**, de Rivera, C.E., Lafrenz, M.D., Eppley S.M., Accretion parameters of an Oregon marsh after dike removal. Society for Ecological Restoration. Redmond, Oregon, October 2014.
- McCann LD, Ceballos LC, Chang AL, de Rivera CE, Grosholz ED, Marraffini M, Turner BC, Williams HG, Ruiz GM. Overcompensation and the hydra effect following intensive harvest of an introduced marine predator? Coastal and Estuarine Research Federation, Bodega Bay, California, September 2014
- Lafrenz MD, de Rivera C, and Eppley S. "Salt Marsh Response to Dike Removal: Implications for Future Sea Level Rise." 5th Annual Pacific Northwest Climate Science Conference, Seattle, WA. September 2014.
- Kincaid E*, Davidson I, Draheim R, Simkanin C, de Rivera C^p. Regional management for fouling organisms invading the Pacific Northwest. Western Regional Panel on Aquatic Nuisance Species Invasive Tunicate Workshop 2014, Seattle, Washington, August 2014. (*invited talk*)
- Truitt AM*, de Rivera CE, Emerging insect pathology research influencing conservation strategies: *Wolbachia* and an imperiled butterfly, The 8th International *Wolbachia* Conference, Innsbruck, Austria, June 2014
- Fuccillo KK*; Crimmins TM, deRivera CE, Elder TS* Networked Phenology Monitoring: Data accuracy and methods for public participation and education. Invited talk/workshop, Cary Institute for Ecosystem Studies: May 2014.
- Truitt AM*, de Rivera CE, Oral Presentation, Emerging insect pathology research influencing conservation strategies: *Wolbachia* and an imperiled butterfly, Oregon Silverspot Butterfly Working Group Meeting, Pacific City, OR, April 2014
- de Rivera CE, Turner BC, Larson AA, Grosholz ED, Ruiz GM. Assessing the effectiveness of management of a non-native crab, *Carcinus maenas*. Oregon Invasive Species Council (*invited talk*) Portland, OR, February 2014
- de Rivera CE, Clark I, Turner BC*, Ruiz GM,. Interactive effects of temperature and predation on behavior and risk for an invasive crab. 8th International Conference on Marine Bio-Invasions. Vancouver, Canada, August 2013.

- Kelley AL*, de Rivera CE. Thermal physiology of the invasive *Carcinus maenas*: implications for range expansion. International Conference on Marine Bio-Invasions. Vancouver, Canada, August 2013.
- Turner BC*, de Rivera CE, Ruiz GM, Grosholz ED. Overcompensation and the European green crab. International Conference on Marine Bio-Invasions. Vancouver, Canada, August 2013.
- Lafrenz M, de Rivera C, Eppley S. Soil changes following dike removal: Implications for the effects of sea level rise. AAG Annual Meeting, Los Angeles, California, April 2013
- de Rivera CE, Larson AA, Ruiz G, Grosholz ED. Rebound of a native prey species following management of an invasive crab. Ecological Society of America, Portland, OR, August 2012.
- Turner, BC*, de Rivera CE. Overcompensation and the European green crab, *Carcinus maenas*. Poster Ecological Society of America, Portland, OR, August 2012.
- Bliss-Ketchum L*, de Rivera CE, Rappold K. Road undercrossing use across structure sizes by a Pacific Northwest wildlife community. Ecological Society of America, Portland, OR, August 2012.
- Davidson TM*, de Rivera CE, JT Carlton. Seawater temperature mediates biological erosion by a non-native burrowing crustacean. Ecological Society of America, Portland, OR, August 2012.
- Miller AK*, de Rivera CE. Migratory shorebird stop-over sites: Habitat and prey associations in Oregon estuaries. Ecological Society of America, Portland, OR, August 2012.
- Truitt AM*, de Rivera CE. Investigating the effects of a ubiquitous endosymbiotic bacteria and its relationship with a threatened butterfly species. Ecological Society of America, Portland, OR, August 2012.
- Truitt AM*, de Rivera CE, Invited Keynote Speaker, Oral presentation, Navigating *Wolbachia* in captive rearing programs, Invertebrates in Education and Conservation Conference, Tucson, AZ, August 2012
- Dresner M, Chang H, DeRivera C. Workshop: Integrated undergraduate teaching material for understanding ecological and hydrologic response from climate change in urban forests. Ecological Society of America, Portland, OR, August 2012.
- Truitt AM*, de Rivera CE, Oral presentation, Investigating the effects of *Wolbachia* on population declines of a threatened butterfly population, 7th International *Wolbachia* Conference, Oleron, France, June 2012
- Truitt AM*, de Rivera CE, Oral presentation, Investigating the Presence and Impacts of *Wolbachia*, a Bacterial Symbiont, on a Threatened Butterfly, American Association for the Advancement of Science, Pacific Division Conference, Boise, ID, June 2012
- Truitt AM*, de Rivera CE, Investigating the effects of endosymbiotic bacteria on the population declines of a threatened butterfly species, 8th Sigma Xi Columbia-Willamette Student Research Symposium, Portland, OR, April 2012
- de Rivera CE, Brenneis VEF, Davidson TM. Invasive Estuarine Species in the Pacific Northwest. National Invasive Species Action Committee Annual Meeting, Portland, OR, 24 May 2012. (Invited)
- Truitt AM*, de Rivera CE, Investigating the effects of a ubiquitous endosymbiotic bacteria and its relationship with a threatened butterfly species, 2012 Oregon Chapter of Wildlife Society Meeting, Oregon Coast, OR. February 2012

- Turner BC*, Bliss-Ketchum L*, de Rivera CE*. Communicating Science to the Media Workshop. Oregon Chapter of Wildlife Society Meeting, Oregon Coast, OR. February 2012
- de Rivera CE, Clarke I, Ruiz GM. Interactive effects of temperature and predation on behavior and risk for an invasive crab. Western Society of Naturalists, Vancouver, WA, November 2011
- Kelley AL*, de Rivera CE, Buckley B. Variation in thermotolerance and morphology of the invasive crab *Carcinus maenas* on the west coast of North America. Western Society of Naturalists, Vancouver, WA, November 2011
- Turner BC*, de Rivera CE, Grosholz ED, Ruiz GM. Examining the potential for overcompensation by the European green crab, *Carcinus maenas*, in response to control efforts. Western Society of Naturalists, Vancouver, WA, November 2011
- Davidson TM*, de Rivera CE. Seawater temperature mediates the biological erosion and plastic pollution of a non-native burrowing crustacean. Western Society of Naturalists, Vancouver, WA, November 2011 (won Best Student Paper in Applied Conservation)
- Bliss-Ketchum L*, de Rivera CE, Rappold K. The influence of artificial light on animal use of passage structures. Oregon Transportation Summit in Portland, Oregon, September 2011
- Bliss-Ketchum L*, de Rivera CE, Rappold K. The effectiveness of vertebrate passage and prevention structures: A study of Boeckman Road in Wilsonville. Oregon Transportation Summit in Portland, Oregon, September 2011
- Zielin S*, de Rivera CE^P, Smith WP, Jacobson S. "Targeting Ecological Investigations to Help Select Effective Mitigation Options for Vehicle-Caused Mortality of a Threatened Butterfly." International Conference on Ecology & Transportation (ICOET), Seattle, Washington, August 2011.
- Bliss-Ketchum L*, de Rivera CE, Rappold K. The effectiveness of vertebrate passage and prevention structures: A study of Boeckman Road in Wilsonville. International Conference on Ecology & Transportation (ICOET), Seattle, Washington, August 2011.
- Bliss-Ketchum L*, de Rivera CE, Rappold K. The effectiveness of vertebrate passage and prevention structures: A study of Boeckman Road in Wilsonville. Oregon Department of Transportation Environmental Conference in Bend, Oregon, April 2011
- Bliss-Ketchum L*, de Rivera CE, Rappold K. The influence of artificial light on animal use of passage structures. Oregon Department of Transportation Environmental Conference in Bend, Oregon, April 2011
- Zielin S, de Rivera CE^P, Smith WP, Jacobson S. Exploring mitigation options to reduce vehicle-caused mortality of a threatened butterfly. Oregon Chapter of The Wildlife Society Annual Meeting in Bend, Oregon, February 2011
- Turner BC*, de Rivera CE. Examining the potential for overcompensation by the European green crab, *Carcinus maenas*, in response to control efforts. Oregon Chapter of The Wildlife Society Annual Meeting in Bend, Oregon, February 2011
- Zielin S*, de Rivera CE, Smith WP, Jacobson S^P. Exploring mitigation options to reduce vehicle-caused mortality of a threatened butterfly. Transportation Research Board Annual Meeting in Washington, DC, January 2011.
- de Rivera CE Determining potential range limits of the invasive green crab, *Carcinus maenas* June 2010 USGS (invited)

- de Rivera CE Determining potential range limits of the invasive green crab, *Carcinus maenas* April 2010
WSU Vancouver (invited)
- Bliss-Ketchum L*, de Rivera CE, Rappold K. The effectiveness of vertebrate passage and prevention structures: A study of Boeckman Road in Wilsonville. Oregon Chapter of The Wildlife Society Annual Meeting in Bend, Oregon, February 2010 (won best overall paper award)
- Zielin S*, de Rivera CE, Jacobson S, Smith WP. Exploring mitigation options to reduce vehicle-caused mortality for the Oregon Silverspot Butterfly along Highway 101 (Poster). Oregon Chapter of The Wildlife Society Annual Meeting in Bend, Oregon, February 2010
- Bliss-Ketchum L*, de Rivera CE, Rappold K. "The effectiveness of vertebrate passage and prevention structures: A study of Boeckman Road in Wilsonville." Society for Northwestern Vertebrate Biology Annual Meeting, Medford, Oregon, February 2010
- Bliss-Ketchum L*, de Rivera CE, Rappold K. "The effectiveness of vertebrate passage and prevention structures: A study of Boeckman Road in Wilsonville." 8th Annual Urban Ecology Symposium, Portland, Oregon, January 2010.
- Davidson TM*, de Rivera CE. Factors influencing the colonization of a non-native Bioeroding isopod (*Sphaeroma quoianum*) in a temperate estuary (Poster). Coastal and Estuarine Research Federation: Estuaries and Coasts in a Changing World. Portland, OR. Nov 2009
- Bliss-Ketchum L*, de Rivera CE, Rappold K." The effectiveness of vertebrate passage and prevention structures: A study of Boeckman Road in Wilsonville." (Poster) International Conference on Ecology & Transportation (ICOET), Deluth, Minnesota, September 2009.
- de Rivera CE, Larson AA, Ruiz, GM Grosholz ED International Conference on Marine Bio-Invasions, Portland, OR, August 2009
- de Rivera CE, Larson AA, Ruiz, GM Grosholz ED, Sytsma MD. "Initial rebound of a native prey species following management of an invasive crab." International Conference on Marine Bio-Invasions, Portland, OR, August 2009
- Larson AA, de Rivera CE, Ruiz, GM Grosholz ED, Sytsma MD. "Assessment of success: Can we attribute a rebound of native species to the removal of the European green crab, *Carcinus maenas*?" International Conference on Marine Bio-Invasions, Portland, OR, August 2009
- Davidson TM*, de Rivera CE. Accelerated erosion of saltmarshes infested by a non-native burrowing crustacean. International Conference on Marine Bio-Invasions, Portland, OR, August 2009
- Bliss-Ketchum L*, de Rivera CE, Rappold K. "The effectiveness of vertebrate passage and prevention structures: A study of Boeckman Road in Wilsonville." (Poster) Oregon Native Turtle Conservation Forum, Portland, Oregon, March 2009.
- Bliss-Ketchum L*, de Rivera CE, Rappold K. "The effectiveness of vertebrate passage and prevention structures: A study of Boeckman Road in Wilsonville." (Poster) Oregon Chapter of The Wildlife Society Annual Meeting, Salishan, Oregon, February 2009.
- Bliss-Ketchum L*, de Rivera CE, Rappold K. "The effectiveness of vertebrate passage and prevention structures: A study of Boeckman Road in Wilsonville." (Poster) 7th Annual Urban Ecology Symposium, Portland, Oregon, January 2009.

- Bliss-Ketchum L*, de Rivera CE, Rappold K. “The effectiveness of vertebrate passage and prevention structures: A study of Boeckman Road in Wilsonville.” Pacific Northwest Wildlife Connections Conference, Portland, Oregon, October 2008.
- de Rivera CE*, Larson AA, Ruiz GM, Grosholz ED, “Forecasting northward spread: the potential range of *Carcinus maenas*” Green Crab Technical Meeting, Vancouver, B.C., March 2008
- Larson AA*, de Rivera CE, Ruiz, GM Grosholz ED, Sytsma MD. “Green Crab Control: A removal effort in a shallow central California estuary. West Coast Green Crab Technical Meeting. Vancouver, B.C. March 2008.
- Bliss-Ketchum L*, de Rivera CE, Rappold K. “The effectiveness of vertebrate passage and prevention structures: A study of Boeckman Road in Wilsonville.” (Poster) 6th Annual Urban Ecology Symposium, Portland, Oregon, January 2008.
- Kordas RL, de Rivera CE, Ruiz GM, Larson AA, Grosholz ED. “Green Crab Control: Reduction of an Invasive Population Using a Before-After, Control-Impact Designed Removal.” Ecological Society of America, 2007.
- de Rivera CE, Grosholz ED, Ruiz GM, Larson AA, Kordas RL, Sytsma MD. “Green crab management: reduction of a marine invasive population” Coastal Zone 2007, Portland, July 2007
- Kordas RL, Larson AA, de Rivera CE, Ruiz GM, Grosholz ED, Sytsma MD. “Green Crab Control: Reduction of an Invasive Population Using a Before-After, Control-Impact Designed Removal .” 87th Annual Meeting of the Western Society of Naturalists. Seattle, Washington. November 2006.
- Larson AA*, Kordas RL, de Rivera CE, Ruiz GM, Grosholz ED, Sytsma MD. “Green Crab Control: Evaluating factors important for the eradication of *Carcinus maenas*.” 87th Annual Meeting of the Western Society of Naturalists. Seattle, Washington. November 2006.
- de Rivera CE, Ruiz GM, “Limits to the spread of *Carcinus maneanas*” Oregon State University, Department of Fisheries and Wildlife Seminar Series, Sept 2006
- de Rivera CE, Ruiz GM, “Spatial patterns of nonindigenous invertebrates in west coast Reserves and Sanctuaries” American Society of Limnology and Oceanography Annual Meeting, June 2006
- de Rivera CE, “Coastal Marine Nonindigenous Species” Oregon Invasive Species Council, Feb 2006
- de Rivera CE, “Mate Searching in Fiddler Crabs” Dept Biology, PSU, Feb 2006
- de Rivera CE, Ruiz GM, Grosholz ED, “Spread and impacts of *Carcinus maenas*” Green Crab Technical Meeting presentation , Pacific States Marine Fisheries Commission, Dec 2005
- de Rivera CE, Grosholz ED Ruiz GM, “*Carcinus maenas* invasion alters the demography and microhabitat use of the native crab *Hemigrapsus oregonensis*.” Western Society of Naturalists, Nov 2005

Honors, Grants, and Fellowships

Honors

- 2025, ESM Outstanding Mentor Award (first year of award)
- 2024, ESM Outstanding Teacher Award

2022, Sigma Xi Columbia Willamette Chapter, Outstanding Senior Researcher Award in Environmental Science

2015, John Elliot Allen Outstanding Teacher Award

2013, PSU Merit raise for exceptional performance

2013, Environmental Science & Management Departmental Outstanding Faculty Award

2012, John Elliot Allen Outstanding Teacher Award

2009, Sigma Xi Columbia Willamette Chapter, Outstanding Researcher Award

2009, John Elliot Allen Outstanding Teacher Award

2008, PSU Merit raise for exceptional performance (first year of merit offering; one per department)

Grants and contracts

2025-2026 ‘2025 Quagga/Zebra mussel monitoring: Dreissenid mussel early detection in Oregon for APC-WID’. \$166,829 from PSMFC (Grant 26-011P; Federal award W68SBV51427879) to de Rivera CE, Rouhe AC (7/2025-6/2026)

2025-2026 ‘Statewide Aquatic Weed Early Detection, Collaborative Education, and Technical Support 2025-26’ 2025-38-038-24158. \$50,000 from Oregon State Weed Board via Oregon Watershed Enhancement Board to de Rivera CE, Campbell G (2/2025-4/2026)

2025 ‘Freshwater Invasive Mussel Monitoring for Portland Metro Waterbodies’ from City of Portland Bureau of Environmental Services. \$18,000 to Rouhe AC, de Rivera CE (6/1-6/30/24)

2025 ‘Aquatic Invasive Plant Species Data on the Umpqua National Forest (UMP NF)’ 24-SA-11061500-088 \$26,902 from Great Basin Institute to de Rivera CE, Campbell G (3/2025-10/2025)

2024-2026 ‘Outreach and Early Detection Surveys for Zebra and Quagga Mussels in Oregon's High-Risk Waters’ \$264,737 from DOI Bureau of Reclamation #: R24AP00362 to de Rivera CE, Rouhe AC (9/9/2024-10/31/2026)

2024-2026 ‘2024 Oregon Aquatic Nuisance Species Management Plan Implementation’ \$91,132 from USFWS (F24AP01671) to de Rivera CE, Rouhe AC (6/20/2024-6/30/2026)

2024-2025 ‘Dreissenid Mussel Early Detection in Oregon for APC-WID’ \$119,498 from PSMFC/USACE to de Rivera CE, Rouhe AC (7/1/2024-6/30/2025)

2024 ‘Zebra and Quagga Mussel Monitoring in the Columbia River Basin \$25,000 from PSMFC/BPA to de Rivera CE, Rouhe AC 4/1/24-3/31/25

2024 “Dreissenid mussel surveys in the greater Portland area” \$18,000 from Bureau of Environmental Services to de Rivera CE, Rouhe AC 4/8/24-6/30/24

2023-2025 ‘Oregon Aquatic Nuisance Species Management Plan Implementation, F23AS00259’ \$95,023 from USFWS to de Rivera CE, Rouhe AC

2023-2025 “PSU/CLR Annual Work Plan: Dreissenid mussel early detection monitoring in Oregon” from Oregon Marine Board \$190,000 to de Rivera CE, Rouhe AC

2023-2025 "Measuring Habitat Variables That Predict Turtle Abundance" \$19,000 Murdock to de Rivera CE

2023 "Dreissenid mussel surveys in the greater Portland area" \$10,000 from Port of Portland to Rouhe AC, de Rivera CE

2023 "Quagga/Zebra Aquatic Invasive Species Joint Monitoring" \$18,000 from Bureau of Environmental Services to Rouhe AC, de Rivera CE

2022-2024 "Supporting QZAP: Increasing the Power of Early Detection in Oregon" \$155,055 from USFWS to Rouhe AC, de Rivera CE

2022-2024 "Oregon's Aquatic Nuisance Species (ANS) Management Plan 2022" \$96,553 from USFWS to de Rivera CE, Rouhe AC

2022-2023 "Aquatic Weed Early Detection, Education and Outreach, and Technical Assistance" \$51,798 from ODA via OWEB to de Rivera CE, Sytsma MD

2022-2022 "Enhanced Dreissenid Mussel Survey for BPA 2022" \$25,000 from BPA to de Rivera CE

2021-2024 "Early detection surveys for zebra & quagga mussels" \$250,257 from USBR to de Rivera CE, Sytsma MD

2021-2023 "Determining what factors affect where native turtle populations can persist" \$19,000 to de Rivera CE, Lifsis A

2021-2023 "Oregon's Aquatic Nuisance Species (ANS) Management Plan" \$99,955 from USFWS to de Rivera CE, Sytsma MD

2021 "Enhanced Dreissenid Mussel Survey for the Water Resources Development Act (WRDA)" \$60,274 from WRDA and BPA via PSMFC to de Rivera CE, Sytsma MD

2020-2022 "Determining salt marsh and restoration success in South Slough using surveys of managers, the public, and past NERR data" \$153,604 from NOAA-NERRS to de Rivera CE, Haeffner M, Grosholz ED, Gonzales J, Robertson-Rojas V, Schooler S

2020-2022 "Oregon's Aquatic Nuisance Species (ANS) Management Plan" \$93,805 from USFWS to de Rivera CE, Sytsma MD

2020-2021 "Enhanced Dreissenid Mussel Survey for the Water Resources Development Act" \$39,481 from PSMFC & USACE to de Rivera CE, Sytsma MD

2019-2023 "Oregon Connectivity Assessment and Mapping Project" \$811,873 from ODFW to de Rivera CE, Lafrenz M, Taylor Rodriguez D

2017-2021 "Understanding Wildlife Movements in Response to Anthropogenic Barriers" \$4,810 from Oregon Wildlife Foundation to de Rivera, Bliss-Ketchum LL, and Temple A. 420051

2017-2018 "Enhanced Dreissenid Mussel Survey" \$59,753 from PSMFC & ASACE Sytsma MD, Strecker A, de Rivera CE. 280960

2017-2019 "Tracking urban animals to determine animal paths and barriers to their movement" \$15,000 from Murdock Charitable Trust to de Rivera CE, Buckingham J.

2017-2019 "Evaluating the role of barriers versus habitat in wildlife movement through urbanized areas. \$14,991, PSU Faculty Enhancement Grant, PI: de Rivera

- 2017-2018 “EAGER: Acoustic Differentiation of Northern Red-legged Frog Populations” \$23,049 from NSF to Zelik R, de Rivera CE, Truitt AM.
- 2016-2017 “USFWS Pacific Region Internship: Synthesis of Current Science and Development of Decision Support Tools, for Assisted Migration of Freshwater Species” \$19,446 from US Fish & Wildlife Service to de Rivera CE
- 2015-2017 “Ghosts of Competition Past? The Effect of Dying High Marsh Vegetation from Increased Inundation on the Establishment Success of Lower Marsh Biota” \$15,000 from Murdock Charitable Trust to de Rivera CE, Cole E.
- 2015-2018 “USFWS Pacific Region Invasive Species Prevention Policy Internship” \$78,675 from US Fish & Wildlife Service to de Rivera CE
- 2014-2019 “Biodiversity Corridors” \$125,000 from METRO to Lafrenz M, de Rivera CE, Bliss-Ketchum L
- 2014-2017 “RAPID: A rare opportunity to examine overcompensation resulting from intensive harvest of an introduced predator.” \$199,187 from NSF-OCE to Grosholz ED, de Rivera CE, Ruiz GM.
- 2014-2015 “Cascades to Coast GK-12 International Research & Teaching: Marine Biological Invasions across Bioregions” Recommended \$30,049 from NSF-DGE and NSF Global Venture Fund, to de Rivera CE.
- 2013-2014 “Monitoring effectiveness of the Lava Butte wildlife crossing measures.” \$122,602 from Oregon Department of Transportation to de Rivera CE, Bliss-Ketchum L
- 2013-2014 “Effects of vehicle speed on impact and turbulence related animal mortality. \$14,938 from PSU-FEG to de Rivera CE
- 2012-2013 “Investigating the Presence and impacts of *Wolbachia*, a bacterial symbiont, on a Threatened Butterfly” \$2,500 from the Butterfly Conservation Initiative to de Rivera CE, Truitt AM
- 2011-2013 “Graduate assistant for climate science communication and conservation” \$75,250 from US Fish & Wildlife Service to de Rivera CE
- 2011 “Investigating Wolbachia as a possible cause for the decline of Oregon silverspot butterflies” \$4,500 from the Oregon Zoo - Future for Wildlife to Truitt A, de Rivera CE
- 2011 “The Lower Columbia River Estuary Coupled Human and Natural System -- Support of an NSF Proposal” \$60,545 from PSU’s Institute for Sustainable Solutions to Jay DA, Bluffstone R, Brenneis V, de Rivera C, Moradkhani H, Talke S
- 2010-2011 “Presentation at Annual Meeting for the Oregon Chapter of the Wildlife Society in Bend, OR” \$400 Round 2 Miller Grant Sustainability Travel and Conference Awards, to de Rivera CE.
- 2010-2014 “Cascades To Coast GK-12: Enhancing STEM Education through Environmental Sustainability.” NSF-GK12: \$2,700,000; Plus matching grant of \$100,000 from James F. and Marion L. Miller Foundation Gift for Sustainability to George L, Cady S, de Rivera C, Dresner M, Granek E, Hulbe C, Wamser C.
- 2010-2012 CCLI Interactive Teaching Material for Understanding Ecological Response from Climate Change in Urban Forests.” NSF-CCLI: \$ 174,962 to Dresner M, de Rivera CE, Chang H

- 2009-2010 “Evaluating mitigation aimed at reducing impacts of roads on butterflies and other animals.” PSU Faculty Enhancement Grant, \$10,000 to de Rivera CE.
- 2009-2010 “Green crab control methods, Phase 3b: Expanding capacity to control European Green crab populations in the northeast Pacific.” Pacific States Marine Fisheries Council: \$30,000 to de Rivera CE, GM Ruiz, ED Grosholz.
- 2009-2010 “Developing processes that identify opportunities to decrease impacts of roads on wildlife and habitat connectivity.” USDA-Forest Service: \$14,952 to de Rivera CE, Lafrenz M
- 2009 “Development of a prototype GPS application for field evaluation of wildlife crossings.” ODOT: \$9,626 to de Rivera CE, Lafrenz M
- 2009 “*Carcinus* Prevention and Response Plan for Alaska.” ADFG: \$15,109 to de Rivera CE, Larson AA, Davidson TM
- 2009 “Carbon and Water Observatory Networks for Eco-Districts” James F. and Marion L. Miller Foundation Gift for Sustainability: \$186,767 to Shandas V, Chang H, Duh J, Rice A, Rosensteil T, Eppley S, de Rivera C
- 2008-2009 “Green crab control methods, Phase 3: Expanding capacity to control European Green crab populations in the northeast Pacific.” Pacific States Marine Fisheries Council: \$100,000 to de Rivera CE, Ruiz GM, Grosholz ED, Sytsma MD.
- 2008-2009 “The effectiveness of vertebrate passage and prevention structures: a study of Boeckman Road in Wilsonville, OR” Oregon Transportation, Research & Education Consortium: \$51,159 to de Rivera CE, Bliss-Ketchum LL
- 2007-2010 “Dispersal, burrow creation, and competition in the invasive Australian burrowing isopod (*Sphaeroma quoianum*).” NOAA: \$60,000 to de Rivera CE, Davidson TM.
- 2007-2008 “Evaluating effectiveness of green crab control methods: Effects of *Carcinus maenas* removal in Bodega Harbor.” Pacific States Marine Fisheries Council: \$88,496 to de Rivera CE, Ruiz GM, Grosholz ED, Sytsma MD.
- 2007-2008 “Green crab control methods, Phase 2: Evaluating effectiveness and effects of *Carcinus maenas* removal in Bodega Harbor” Pacific States Marine Fisheries Council: \$63,000 to de Rivera CE, Ruiz GM, Grosholz ED, Sytsma MD.
- 2007-2008 “Regional surveys and outreach for the non-indigenous burrowing isopod, *Sphaeroma quoianum*.” U.S. Fish and Wildlife Service: \$15,424 to de Rivera CE.
- 2006-2007 “Green crab control methods: Evaluating factors important for eradication of *Carcinus maenas*.” NOAA Seagrant: \$75,000 to de Rivera CE, Ruiz GM, Grosholz ED, Sytsma MD.
- 2006-2007 “Monitoring & Demonstrating Potential for Eradication/Substantial Population Decrease of *Carcinus Maenas* in One Bay.” Pacific States Marine Fisheries Council: \$150,000 to de Rivera CE, Ruiz GM, Grosholz ED, Sytsma MD.
- 2006-2007 “Interaction Between Native Predators and Introduced Green Crabs.” PSU Faculty Enhancement Grant, \$10,000 to de Rivera CE.
- 2004-2005 “Northward Spread of Marine NIS along Western North America: Assessing Risks of Colonization for Alaskan Waters.” Prince William Sound Regional Citizens’ Advisory Council \$61,196 to Ruiz GM, Hines AH, de Rivera CE.

2003-2004 Smithsonian Institution Postdoctoral Fellowship, de Rivera CE
 2002-2003 Biology of Small Populations Research Training Grant Postdoctoral Fellowship,
 de Rivera CE
 2001-2002 Smithsonian Institution Postdoctoral Fellowship, de Rivera CE
 1998 Smithsonian Tropical Research Institute Short-term Fellowship, de Rivera CE
 1998 Sigma Xi Grants-in-Aid of Research, de Rivera CE
 1994-1998 Cota-Robles Fellowship, University of California San Diego, de Rivera CE
 1988 Millard Markle Award in Biology, Earlham College, de Rivera CE

Other Teaching, Mentoring and Curricular Achievements

I wrote an online pathway grant (from OAA & OAI) for ESM, supporting conversion of several ESM courses to online formats and two others to hybrid formats. As part of this, Dr. Rouhe and I collaborated on converting ESM 221 to a hybrid course. Earlier I helped Amy Larson construct the online and hybrid versions of ESM 340 as part of the Provost's Challenge.

As part of our NSF-CCLI grant, I have developed many new course materials for ESM 221, Applied Environmental Science: Environmental Problem Solving and have taught historic, modified control, and experimental sessions of this course, which were then evaluated.

As part of our NSF-GK-12 commitment, I co-developed the two-term course for PhDs, Communicating Science (ESM 556/ESR 656 and 657), which was then institutionalized as a required course for all School of the Environment PhD students. I also served as PI for this grant for a year.

At PSU I teach the equivalent of four full courses per year (> 16 credits/yr), with courses in: Coastal Marine Ecology (400 & 500 level), The Ecology and Management of Biological Invasions (400 and 500 level), Road Ecology (400 & 500 level), Communicating Science (500 and 600 level), Orientation to ESM (ESM 150), Environmental Sustainability (Sophomore Inquiry), Applied Environmental Science: Environmental Problem Solving (ESR 221, 200-level majors), 'Capstone: Wildlife Movement Near Roads. I developed three of these courses entirely on my own, highly modified four of them, and co-developed others. In 2010 I also developed and led a statistical methods graduate course (500-600 level) on predicting species distributions and one on Bayesian statistical analysis.

I lead a weekly lab meeting regularly attended by 6-10 students.

Advising:

Undergraduate Advisor for:

Advisor for REU Fellows: Vanessa Robertson-Rojas* (2013), Katelin Stanley*[#] (2012), Anne Phillip (2009)

Advisor for Departmental Honors Honors Thesis: Trever Gelling (2023-2024), Reagan Thomas (2021-2023), Peyton Priestman (2021-2023), Rayna Koberstein* (2017-2018), Vanessa Robertson-Rojas* (2013-2014), Sara Henderson* (2011-2012)

Advisor for Honors College Honor's Thesis: Grace Phillips (2024-2025), Jacob Swanson* (2023-2024), Isis Kontas (2023), Rodé Krige[#] (2022-2023)

Advisor for Undergraduate McNair Fellow, Amanda L. Kelley* (2007), Rayna Koberstein* (2018-2019)

Advisor for Undergraduate LSAMP student, Lauren Munoz*# (2013-14)

Advisor for Undergraduate PROA student: April Lisua (2024-; co-advised with Paola Lopez-Duarte)

Advisor for research internship in lab: Sara Henderson* (2011), Chancity Keller (2013), Brice Moss (2013), Chelsea Cannard (2013), Danielle Miles (2014), Marie Hepner# (2015)

Advisor in research: Eamon Graham (2013), Sharon Gordon (2013), Rick Park (2013), Inez Short Lawson (2013), Devin Forest-Hines (2025), Hailey Gatlin (2025), Beatrice Larson (2025), Erin Riley (2025), Elliot Harper (2025)

Advisor for independent study: Troy Kennedy Craine (2018), Andrew Mautz (2018)

Departmental undergraduate advising (2011-2019)

Thesis Advisor and Postgraduate-Scholar Sponsor for:

Current graduate students (7):

PhD: Laura Guderyahn; (2019-2025), Kyle Swanson (2024-)

MS: Ashley Newcomb (2023-), Isabel Mize (2023-), Jennifer Riddle (2024-), Alyson Wilder Yates (2024), Katie Kearney (2024-).

graduate students I advised who have graduated from Portland State University (19 Masters, 7 PhD):

PhD:

- Timothy Davidson (PhD 2011, now Assoc. professor at CSU-Sacramento); dissertation: Biological Erosion of Marine Habitats and Structures by Burrowing Crustaceans.
- Amanda L. Kelley (PhD 2013, Estes co-adviser, now Assoc. professor at University Alaska, Fairbanks); dissertation: The Effect of Temperature on Phenotypes of the Invasive European Green Crab: Physiologic Mechanisms that Facilitate Invasion Success
- Amy M. Truitt (PhD, 2017 now: Sanofi), *Wolbachia*-Host Interactions and the Implications to Insect Conservation and Management
- Brian C. Turner (PhD, 2017 now: Washington Department of Fish & Wildlife), Responses of Aquatic Non-native Species to Novel Predator Cues and Increased Mortality
- Kerissa Fucillo Battle (PhD 2018 now: Battle Strategic), Public Participation in Plant-Pollinator Conservation: Key Assessment Areas that Support Networked Restoration Monitoring
- Leslie L. Bliss-Ketchum (PhD 2019 now: Samara Group), The Impact of Infrastructure on Habitat Connectivity for Wildlife
- Dorothy Horn (PhD 2021, now: University of Vermont): Ecological Exposure and Effects of Microplastics in Crabs Along the Pacific Coast

MS:

- Aileen K. Miller (MS 2012) Site Selection by Migratory Shorebirds in Oregon Estuaries Over Broad and Fine Spatial Scales
- Sydney M. Gonsalves (MS 2016), Green Roofs and Urban Biodiversity: Their Role as Invertebrate Habitat and the Effect of Design on Beetle Community

- Erin S. Kincaid (MS 2016), Biofouling Management in the Pacific Northwest and Predation on Native versus Non-native Ascidiaceans
- Whitney E. McClees (MS 2017), Anthropogenic Effects on the Fouling Community: Impacts of Biological Invasions and Anthropogenic Structures on Community Structure
- Inez I. Lawson (MS 2017), Invertebrate Community Composition Across Inundation Regimes and its Potential to Reduce Plant Stress
- Andrew W. McCandless (MS 2018), Mooring Impacts on *Zostera marina* Meadows and Associated Epifauna in Nantucket Harbor, Massachusetts, USA.
- Vanessa Robertson-Rojas (MS 2020), Do Fungal Symbionts of Salt Marsh Plants Affect Interspecies Competition?
- Kimberly A. Brown (MS 2021), Effects of Green Crab (*Carcinus maenas*) Across Variable Densities of Eelgrass (*Zostera marina*)
- Elissa Connolly-Randazzo (MS 2021), Temperature and Predator Effects on Green Crabs (*Carcinus maenas*) and Their Distribution in South Slough National Estuarine Research Reserve
- Clarissa Cressotti (MS 2023-2025, co-advised with Max Nielsen-Pincus), Urban Wildlife in Your Backyard: Community Experiences with Coyotes and Outdoor Cats

MEM:

- Kinsey Keller (MEM 2009) Habitat Connectivity
- Sara Zielin Woods (MEM 2011), Exploring Mitigation Options to Reduce Vehicle-Caused Mortality for the Oregon Silverspot Butterfly, *Speyeria zerene hippolyta*, Along Highway 101 at the Siuslaw National Forest (with USDA-FS Sandra Jacobson)
- R. Jaleen Littlejohn (MEM 2013), Connecting Habitat Across Roads: Field Testing Mitigation Strategies for Reducing Road Mortality of an Imperiled Butterfly (with USDA-FS Sandra Jacobson)
- James P. Holley (MEM 2021); An Examination Of Limiting Factors of *Chrysemys picta bellii* (Western painted turtles) in the Lower Willamette River Basin, Oregon (with Turtle Working Group, Laura Guderyahn PP&R, and Susan Barnes, ODFW)
- Alana Simmons (MEM 2021), Closed Canopies Crowd Out Bats: Planning Artificial Gap Creation (with Thomas Rodhouse & Roger Rodriguez Bat Hub; and Jason Kirchner/ Jennifer Ringo/Raymond Dodd/Gregory Reed ODFW; Deanna Williams/Cristal Barnes/Sarah Kaufman USDA-FS)
- Emma Scott (MEM 2023), Management Plan for the Western Painted Turtle at the Sandy River Delta in Troutdale, Oregon (with Bill Weiler, FSRD)
- Grace Hall (MEM 2024) Assessment of Avian Community Structure and Habitat Connectivity in the Fanno Creek Corridor Bird Surveys, Habitat Assessment, and Management Recommendations (with Joe Liebzeit, Oregon Bird Alliance and Tracey Dulin, Clean Water Services)

PSM:

- Natalie Rogers (PSM 2017, co-advised with Joe Maser) Urban Connections: A Comparison of Connectivity Assessment Methods (with Lori Hennings, Metro)
- Fiona Smeaton (PSM 2020), Strategies for Urban Pollinator Management Using Habitat Monitoring and Restoration Planning in Portland, Oregon (with Toby Query, BES)

Committee member for:

current gradate students: (2)

PhD: Bailey Marlow, Brigham Young University (PhD, Blaine Griffen), Leland Brown (PhD, Erin Shortlidge);

graduated gradate students: (30, including 15 PhD students – PSU students unless noted)

PhD (15): Valance Brenneis (PhD 2009, Sih, UCDavis), Andrew Gibbs - (PhD 2018, Murphy– as GO Rep), Toni Pennington (PhD 2007, Sytsma), Lucas Redmond (PhD 2015, Murphy – as GO Rep), Robert Richardson (PhD 2013, Ruedas – as GO Rep), Julia Ruppell (PhD 2013, Murphy – as GO Rep), Trevor Sheffels (PhD 2013, Sytsma), Erin Shortledge (PhD 2014, Eppley as GO Rep); Brett Younginger (PhD 2018, Ballhorn – as GO Rep); Matthew Chmielewski (PhD 2019, Eppley – as GO Rep); Amy Ehrhart (PhD 2020, Granek), Jake Loveless (PhD 2021, Ballhorn); Karley Maier (PhD 2021, Woods); Julie Gonzales (PhD 2023, Grosholz, UCDavis); Taylor Dodrill (PhD 2023, Pan)

MS (12): Heather Machado (MS 2007, Cruzan), Monaca Noble (MS 2007), Lynda Moore (MS 2009, Sytsma), Zoe Rodriguez del Rey (MS 2010, Granek); Kelly Fischer (MS 2011, Dresner), Andrew Dietrich (MS 2012, Yeakley), Bianca Dolan (MS 2012, Gerwing), Sara Twitchell (MS 2012, Maser), Joey Peters (MS 2015, Granek), Amanda Temple (MS 2019, Lafrenz), Shersten Finley (MS 2021, Haeffner), Rayna Koberstein (MS 2025, Eppley)

MEM (3): Kathryn Strawn (MEM 2012, Scheller), Benjamine Huffine (MEM 2021, Maser), Sarah Rhodig (MEM 2021, Maser)

Committee member for comprehensive/qualifying exam of (19 PhD students):

Brian Adair (Sytsma 2012), Leslie Bliss-Ketchum (de Rivera 2012), Tim Davidson (de Rivera 2009), Taylor Dodrill (Pan 2020), Amy Ehrhart (Granek 2019), Kerissa Fucillo (Dresner 2012), Andrew Gibbs (Murphy 2012), Julie Gonzales (UC Davis: Grosholz, 2021), Laura Guderyahn (de Rivera, 2022), Andrew Harwood (Granek 2014), Dorothy Horn (de Rivera 2019), Amanda Kelley (Buckley/de Rivera 2010), Bailey Marlow (BYU, Griffen 2024), Chris Parker (Pan 2011), Trevor Sheffels (Sytsma 2010), Brian Turner (de Rivera 2012), Amy Truitt (de Rivera 2013), Bayley Marlow (2024, BYU), Leland Brown (2024)

Postdoctoral Advisor for: Amy Larson, PhD. (2007-2009)

Other Community Outreach Achievements

Interviews with Media/Media coverage:

2005: BBC Wildlife Magazine, CBC As It Happens" on Canadian Broadcasting Corporation (Chris Howden), Ciencia Hoje (Brazilian science website), Discovery channel news (K McDonald), National Wildlife Magazine (Hannah Schardt), Science Magazine (Cathy Tran), Science Update (Radio, Chelsea Wald), Union Tribune (Bruce Lieberman) (additional coverage but without interviews).
2006: OPB – Oregon Field Guide.

2010: Conservation Magazine

2014: Smithsonian Tropical Research Institute (two articles for STRI publication)

2023: Future Cities Podcast, Expanding Ecological Connectivity toward Resilient Socio-ecological Landscapes

<https://www.stitcher.com/show/future-cities/episode/expanding-ecological-connectivity-toward-resilient-socio-ecological-landscapes-302714621>

2023: Axios 12/7/23: Invasive mussels threaten the Columbia River

2024: Oregon Field Guide on invasive crabs in Oregon. Aired 1/4/24, OPB-TV

Additional coverage, without an interview: Feb 15, 2024 Yachats News:

<https://yachatsnews.com/states-fight-invasive-green-crabs/>

Webinars:

2022: ‘Restoration Success: Linking Social and Ecological Metrics’ Hosted by the NERRS Collaborative Science for Estuaries webinar, 25 May 2022, with Melissa Haeffner, Julie Gonzalez, Vanessa Robertson-Rojas, and Sabra Comet

2023: ‘Spreading Information Not Invasives: Amplifying Climate Change and First Foods Considerations in an Invasive Species Knowledge Sharing Hub.’ Hosted by NWRISCC and OISC: June 22, 2023, with Alex Staunch, Fiona Smeaton, Cheryl Shippentower, and Rachel Gregg.

<https://sites.google.com/view/nwrisccevents/webinars>

Invited public talks:

Feb 29, 2024: **De Rivera, CE. Towards Less Problematic and More Effective Invasive Species Common Names** 13th Annual Columbia Gorge Invasive Species and Exotic Pest Workshop. February 29, 2024, Stevenson, WA.

May 20, 2022. Talk on habitat connectivity for a ‘Beer for Deer’ event, Migrations Brewing, Gresham Oregon

March 2019: Sharing the Coast (Newport): Invasive Species of Estuary and Shore

September 2019: Oregon Museum of Science & Industry, Science Pub Talk (Portland): Wildlife Invaders: Managing Invasive Species in Oregon

Scholarly Works in Progress

Krige R, Guderyahn L, Holzer K, de Rivera CE. (In Review). How beavers affect habitat availability for two native Oregon turtle species. The Journal of Wildlife Management

Gonzalez JA, Comet S, Engelmeyer P, Finley S, Grosholz ED, Haeffner M, Robertson-Rojas V, Schooler S, de Rivera CE (in Review) Improving Tidal Marsh Restoration Using Both Stakeholder Perceptions and Ecological Metrics. Ecology & Society.

Bliss-Ketchum LL*, **de Rivera CE**, Wheat R, Hennings L, Lafrenz M. (In Review) Goals-based species selection process for connectivity modeling and planning. Stacks journal

Robertson-Rojas V*, Eppley S, **de Rivera CE** (in preparation for Journal of Applied Ecology) Fungal symbionts effects on competition among salt marsh plants.

Turner BC*, **de Rivera CE**. Outcomes of aquatic invasive species management efforts help determine the cause of compensatory population growth. (in preparation).

de Rivera CE, Turner BC, Ruiz GM, Grosholz ED, Larson AA (In preparation for Oikos) Rapid rebound of prey species following removal of an invasive crab.

de Rivera CE, Connolly-Randazzo E, Clarke I**, Turner BC, Ruiz GM, (In preparation) Interactive effects of temperature and predation on behavior and risk for an invasive crab.

Bliss-Ketchum LL*, **de Rivera CE**, Taylor-Rodriguez D. (In preparation) The Influence of Traffic, Habitat Change, & Time: Long Term Monitoring of a Wildlife Crossing Structure

McClees W*, **de Rivera CE** (In revision) Limitation of spread of non-native marine invertebrates from anthropogenic structures to natural habitats. Biological Invasions

Turner BC*, **de Rivera CE**. Outcomes of aquatic invasive species management efforts help determine the cause of compensatory population growth. (in preparation for Limnology & Oceanography).

Bliss-Ketchum LL*, **de Rivera CE**, Taylor-Rodriguez D. (In preparation) The Influence of Traffic, Habitat Change, & Time: Long Term Monitoring of a Wildlife Crossing Structure

de Rivera CE, Larson AA, Ruiz GM, Grosholz ED. (In preparation) Effective techniques for the management of European green crabs.

Eppley SE, **de Rivera CE**, Lafrenz M (In preparation) Re-engineering the hydrology of salt marshes: Implications for coastal sustainability.

Governance and Other Professionally Related Service

Department

ESM JEDI Working Group Chair 2022-2024

ESM Advising and Retention Committee Chair 2023-2024

ESM Curriculum Committee – co-Chair 2019-2021; Chair 2011-2012; member 2010-2013, 2022-2023

ESM Graduate Committee: 2024-present

ESM Promotion and Tenure Committee Chair, 2016-2017; Member 2007-2010, 2019-20; 2022-present

ESM Space Committee - 2010 – 2020* (Chair, 2011)

ESM Executive Committee Chair, 2012-2013, member 2019-2021

ESM search committee for new tenure-track faculty member 2010-2011, for NTTF 2019, 2020

Faculty Partner for ESM Graduate Student Association 2009-2013, 2017-2019

ESM Committee for Undergraduate Enrollment, 2014-2016

ESM Awards Committee, Chair 2009-2013, member 2009-2015

ESM Departmental Review Chair, 2012-2013

School/College

School of the Environment/EES Curriculum Committee – 2010-present

CLAS Dean's advisory committee on Promotion and Tenure 2022-2025

CLAS Dean's Advisory Committee, 2014

CLAS Strategic Resources Committee 2012

PSU-wide

LSAMP faculty advisory board, 2013-2017

PSU Committee on Committees, 2015-2017; **Chair**: 2016-2017

PSU Faculty Senate steering – *ex officio* member, 2016-2017

PSU Faculty Senate – representative for the sciences, 2015-2018

PSU Faculty Grievance Board, 2015-2016

Faculty Development Committee 2011-2013

Post tenure review committee for Gretta Siegel, library, 2010

*on sabbatical 2013-2014, and 2021-2022 academic years (so no committee service)

Professionally Related Service

Associate Editor: Management of Biological Invasions, 2013-2023, 2025-present

Editorial Board: Scientific Reports (Nature Publishing group) – 2015-2017

Reviewer

- Frequent reviewer (accept ~ 6/yr to review) for peer-reviewed publications in journals including: Animal Behaviour, Aquatic Biology, Behavioral Ecology, Behavioral Ecology and Sociobiology, Ecology, Hydrobiologia, Journal of Ethology, Journal of Experimental Marine Biology & Ecology, Marine Biology, Marine Ecology Progress Series, and Proceedings of the Royal Society of London, Biological Invasions, Fishes, Marine Pollution Bulletin, Scientific Reports
- Panel member for EPA STAR fellowship panel in 2015
- Panel member for NSF panels in 2011, 2013, 2016, 2021, 2025
- External reviewer for NSF Catalyzing New International Collaborations 4/11
- External reviewer for Mitacs (Canada) Accelerate 7/2025
- Reviewed a grant proposal for the NOAA NERRS graduate fellowship program, 1/11
- Reviewer for USDA Forest Service General Technical Report 11/10
- Reviewed grant proposals for the Hudson River Foundation 1/09, 1/11
- Reviewed ‘Achieving Landscape Permeability in an Urban Environment: Wildlife Crossing Guidelines & Considerations’ for Metro 2/09
- Reviewer for NOAA EcoFore (Ecological Forecasting) grant, 2008.
- External reviewer for Huxley College of the Environment, 2017
- Reviewer for tenure packets for Lauren Chan Pacific University, and Zachary Darnell (U. Southern Mississippi)
- Reviewer for promotion packet for Mark Torchin, Smithsonian Tropical Research Institute

Oregon Invasive Species Council (agency in Oregon): Council member:2015-2017; 2018-2025; Advisory board member and member of the Tunicate Task Force, 2010-2015; vice chair 2019; *chair* 2020; executive committee 2021-2022, 2024-2025, on budget, education & outreach, governance, and budget committees

Pacific Northwest Regional Invasive Species and Climate Change Network – Advisory Team 2020-2021

Western Regional Panel for Aquatic Nuisance Species & WRP Coastal Working Group: 2020-2025

Regional (Metro) Habitat Connectivity Working Group, Steering Committee, and JEDI working group 2017-2024

Oregon Habitat Connectivity Consortium 2018-present & Steering Committee – member 2018-2024

Advisor to for Climate Change chapter for the Regional Conservation Strategy, Portland Metro region
Participant in the Portland Metropolitan Area Intertwine Committee

Led workshop on Science Inquiry Pedagogy: de Rivera CE, Nicole Alfafara, Steven Braun, Brie Bui-Hirschberg, Kathy Childress, Sarah Kidd, Gina Marchini, Hannah Prather, Christa von Behren, Linda Wolf, *Workshop on Inquiry-Based Science Education*. Smithsonian Tropical Research Institute, Panama. March 2014

With Sam Chan, Wei-Ying Wong, Jennifer Gren, Monica McGarrity, Co-led and presented at workshop: ‘*Words have power: More effective AIS common names.*’ At Western Regional Panel Annual Meeting, Anchorage, Alaska, 2022

Served on Department of Environmental Quality’s Ballast Water Rulemaking Advisory Committee, August 2023

Serve on the Washington State European Green Crab Research Task Force March 2024-present

Additional professional trainings (subset)

Participated in NOAA-led workshop on facilitation, ‘Facilitation Basics for Coastal Managers’ July 2021, led by Jan Kucklick

Participated in workshop series: Inclusive Excellence CURE Fellowship, 2021-2022

Participated in HACCP training for aquatic Nuisance Species, Portland, Oregon, March 2023.

Memberships in Professional Societies

American Association for the Advancement of Science, American Society of Limnology and Oceanography, Ecological Society of America, Sigma Xi, Western Society of Naturalists, Oregon Chapter of The Wildlife Society