
CURRICULUM VITAE

CHELSEA L. WOOD

Associate Professor, Associate Director, and Graduate Program Coordinator

School of Aquatic and Fishery Sciences

University of Washington • Box 335020 • Seattle, Washington 98195-5020

chelwood@uw.edu

www.chelsealwood.com

EMPLOYMENT

School of Aquatic and Fishery Sciences, University of Washington

Associate Director and Graduate Program Coordinator

Seattle, WA

2023–present

School of Aquatic and Fishery Sciences, University of Washington

Associate Professor

Seattle, WA

2021–present

School of Aquatic and Fishery Sciences, University of Washington

Assistant Professor

Seattle, WA

2016–2021

Michigan Society of Fellows, University of Michigan

Fellow, Department of Ecology and Evolutionary Biology

Ann Arbor, MI

2014–2016

Department of Ecology and Evolutionary Biology, University of Colorado

Postdoctoral Researcher, Laboratory of Pieter Johnson

Boulder, CO

2013–2014

Department of Biology, Stanford University

Ph.D. Candidate, Laboratory of Fiorenza Micheli

Pacific Grove, CA

2008–2013

Frontiers in Ecology and the Environment, Ecological Society of America

Assistant Editor

Washington, DC

2006–2008

EDUCATION

Stanford University, Ph.D., Ecology, Evolution, and Population Biology

- National Science Foundation Graduate Research Fellowship
- Alyce B. and Henry J. Ramey, Jr. Stanford Graduate Fellowship

Stanford, CA

2008–2013

Dartmouth College, A.B., Ecology and Evolutionary Biology

- Summa cum laude, Phi Beta Kappa, High Honors in the major

Hanover, NH

2002–2006

BOOKS

Wood CL. In press. *Netherworld: The Genius of Parasites*. Basic Books / Hachette. Release date 16 Feb 2027.

Wood CL. 2024. *Power to the Parasites! Everything You (N)ever Wanted to Know About the Creepy Crawlies Hidden in Your Home, Your Food, Your Pets – and Maybe Even in You!* 2024. Godwin Books / Henry Holt and Company / Macmillan. Kid's book for children ages 8–12.

PUBLICATIONS

Mentees: * indicates undergraduate student, ** indicates graduate student, *** indicates postdoc

Published and in press:

87. Rubio-Godoy M, Kmentová N, Pérez-Ponce de León G, Timi J, **Wood CL**, Blakeslee A, Smit N, Truter M, Vanhove MPM, and Gobbin T. In press. Practical steps to advance the conservation of (aquatic) parasites. *Oryx*.
86. Cruz-Laufer AJ, Dahdouh-Guebas F, Díaz-Morales DM***, Kyrychenko O, Vanhove MPM, and **Wood CL**. In press. Malaria prevalence near African mangroves: negative association with mangrove extent, but positive association with mangrove greenness. *Global Change Biology*.
85. Hopkins SR and **Wood CL**. 2026. Parasite conservation now: Turning knowledge into action. *Trends in Parasitology* **42**: 327–336.
84. Whalen CJ**, Boyd D*, Comisso G**, Christner S*, Jones I*, Leslie K, Thirtyacre J*, Díaz-Morales DM***, Kuris AM, Mann J, Bart H, and **Wood CL**. 2026. Differential impacts of hurricanes on direct and complex life cycle parasites: A 42-year study of riverine fish. *Journal of Freshwater Ecology* **41**: 2690282.
83. Díaz-Morales DM***, Atkinson SD, Boyd D*, Comisso G**, Christner S*, Jones I*, Leslie K, Thirtyacre J*, Whalen CJ**, Kuris AM, Mann J, Bart H, and **Wood CL**. 2026. Stressor interactions affect myxozoan abundance in a 42-year dataset from the Pearl River, Louisiana, USA. *Parasitology* **153**: 654–666.
82. Hentati Y, Reese E, Curran CC, Miller EM, Díaz-Morales DM***, Kreling SES, Verocai GG, Prugh LR, Schell CJ, and **Wood CL**. 2026. Detection of *Echinococcus multilocularis* in coyotes in Washington State, USA highlights need for increased global wildlife surveillance. *PLoS Neglected Tropical Diseases* **20**: e0013502.
81. Schwantes CJ, Sanchez CA, Stevens T, Zimmerman R, Alberty G, Becker DJ, Brookson CB, Kading RC, Keiser CN, Khandelwal S, Kramer-Schadt S, Krut-Landau R, McKee C, Montecino-Latorre D, O'Donoghue Z, Olson SH, O'Shea M, Poisot T, Robertson H, Ryan SJ, Seifert SN, Simons D, Vincente-Santos Am, **Wood CL**, Graeden E, and Carlson CJ. 2025. A minimum data standard for wildlife disease studies. *Scientific Data* **12**: 1054.
80. Martinelli J***, Bonifate A, Simonitis L, Holland-Lulewicz I, Eardley C, Peabody B, Allen B, McClenahan L, Padilla-Gamiño JL, King TL, and **Wood CL**. 2025. Reconstructing the ecological history of shell-boring polychaetes in the Salish Sea to inform conservation and restoration strategies for native oysters *Ostrea lurida*. *Aquatic Conservation: Marine and Freshwater Ecosystems* **35**: e70249.
79. Mastick NC**, Welicky RL***, Preisser WC***, Leslie KL, Maslenikov KP, Kinsella JM, Essington TE, and **Wood CL**. 2025. Marine mammal recovery is associated with the resurgence of a nematode parasite. *Ecology* **106**: e70221.
78. Pauken BJ, Chamberlin AJ, **Wood CL**, Fringer OB, and De Leo GA. 2025. Modeling of wind-driven circulation of schistosome larvae in a vegetated side pond. *Environmental Fluid Mechanics* **25**: 13.
77. **Wood CL**. 2025. Parasites in a changing world: Troublesome or in trouble? *Annual Review of Animal Biosciences* **13**: 303–23.
76. Martinelli JC***, Gross JA, Anderson D, King TL, Honiker J, and **Wood CL**. 2025. First record of shell-boring polychaetes in oyster seed. *Aquaculture* **596**: 741846.
75. Aslan IH, Chamberlin AJ, Mitchell KR, Pourtois JD, Tuan R, Palasio RGS, Monteiro AMV, Kirk D, Athni TS, Sokolow SH, N'Goran EK, Diakite NR, Ouattara M, **Wood CL**, Gatto M, Casagrandi R, Mari L, Little DC, Oztterick RW, Norman R, Allan F, Brierley AS, Ping L, Lwiza KM, Pereira TA, Mordecai EA, and De Leo GA. 2024. Re-assessing thermal response of schistosomiasis transmission risk: Evidence for a higher thermal optimum than previously predicted. *PLoS Neglected Tropical Diseases* **18**: e0011836.
74. Mastick NC**, Welicky RL***, Katla A*, Odegaard B, Ng V, and **Wood CL**. 2024. Opening a can of worms: Archived canned fish fillets reveal 40 years of change in parasite burden for four Alaskan salmon species. *Ecology and Evolution* **14**: e11043.

Published and in press (cont'd):

73. Mastick NC^{**}, Fiorenza EA^{**}, and **Wood CL**. 2024. Meta-analysis suggests that, for marine mammals, the risk of parasitism by anisakid nematodes changed between 1978 and 2015. *Ecosphere* **15**: e4781.
72. Considine ME, Martinelli JC^{***}, King TL, Rumrill SS, and **Wood CL**. 2024. Spatial and temporal variability in infestation of Oregon oyster farms by shell-boring polychaetes. *Aquaculture Reports* **35**: 101929.
71. Martinelli JC^{***}, Considine M, Casendino H^{*}, Tarpey CM, Jimenez-Hidalgo I, Padilla-Gamino JL, King TL, Hauser L, Rumrill S, and **Wood CL**. 2024. Infestation of cultivated Pacific oysters by shell-boring polychaetes along the US West Coast: Prevalence is associated with season, culture method, and pH. *Aquaculture* **580**: 740290.
70. French BJ, Zgliczynski BJ, Bonito L, Sullivan C, **Wood CL**, Haupt AJ, Siu G, Taiarui M, Planes S, and Sandin SA. 2024. Length–weight relationships for abundant coral reef fish species from eight islands in French Polynesia. *Cybium* **48**: 45–7.
69. Claar D^{**}, Faiad SM^{**}, Mastick NC^{**}, Welicky RL^{***}, Williams MA^{***}, Sasser KT, Weber JN, and **Wood CL**. 2023. Estimating the magnitude and sensitivity of energy fluxes for stickleback hosts and *Schistocephalus solidus* parasites using the metabolic theory of ecology. *Ecology and Evolution* **13**: e10755.
68. Faiad SM^{**}, Williams MA^{***}, Olden JD, Sokolow S, De Leo G, Mitchell K, Andriantsoa R, Jones JPG, Andriamaro L, Ravoniarimbina P, Rasamy J, Ravelomanana T, Ravelotafita S, Ravo R, Rabinowitz P, and **Wood CL**. 2023. Temperature affects predation of schistosomocompetent snails by a novel invader, the marbled crayfish *Procambarus virginalis*. *PLoS One* **18**: e0290615.
67. Casendino H^{*}, McElroy K, Sorel M, Quinn T, and **Wood CL**. 2023. Two decades of change in sea star abundance at a subtidal site in Puget Sound, Washington. *PLoS One* **18**: e0286384.
66. **Wood CL**, Welicky RL^{***}, Preisser WC^{***}, Leslie KL, Mastick N^{**}, Greene C, Maslenikov KP, Tornabene L, Kinsella JM, and Essington TE. 2023. A reconstruction of parasite burden reveals one century of climate-associated parasite decline. *Proceedings of the National Academy of Sciences of the USA* **120**: e2211903120.
65. Welicky RL^{***}, Feddern ML, Rolfe T, Leazer K, Moosmiller A^{*}, Fiorenza E^{**}, Maslenikov K, Tornabene L, Holtgrieve G, and **Wood CL**. 2023. Reconstructing trophic position over the past century for five Puget Sound fish species. *Marine Ecology Progress Series* **706**: 1–15.
64. Fearon ML, **Wood CL**, and Tibbetts EA. 2023. Habitat quality influences pollinator pathogen prevalence through both habitat–disease and biodiversity–disease pathways. *Ecology* **104**: e3933.
63. **Wood CL** and Vanhove MPM. 2023. Is the world wormier than it used to be? We'll never know without natural history collections. *Journal of Animal Ecology* **92**: 250–62.
62. **Wood CL**, Leslie KL, Claar D^{***}, Mastick N^{**}, Preisser WC^{***}, Vanhove MPM, and Welicky R^{***}. 2023. How to use natural history collections to resurrect information on historical parasite abundances. *Journal of Helminthology* **97**: 1–13.
61. Halpern BS, Boettiger C, Dietze MC, Gephart JA, Gonzalez P, Grimm NB, Groffman PM, Gurevitch J, Hobbie SE, Komatsu KJ, Kroeker KJ, Lahr HJ, Lodge DM, Lortie CJ, Lowndes JSS, Micheli F, Possingham HP, Ruckelshaus MH, Scarborough C, **Wood CL**, Wu GC, and [all other authors listed alphabetically]. 2023. Priorities for synthesis in ecology and environmental science. *Ecosphere* **14**: e4342.
60. Sokolow SH, Nova N, Jones IJ, **Wood CL**, Lafferty KD, Garchitorena A, Hopkins SR, Lund A, MacDonald A, LeBoa C, Peel AJ, Mordecai EA, Chamberlin A, Howard M, Buck JC, Lopez-Carr D, Barry M, Bonds M, and DeLeo G. 2022. Ecological and socioeconomic factors associated with the human burden of environmentally mediated pathogens: a global analysis. *Lancet Planetary Health* **6**: E870–E879.
59. Hopkins SR, Lafferty KD, **Wood CL**, Olson SH, Buck JC, Childs M, De Leo GA, Fornberg J, Garchitorena A, Howard M, Jones I, Kuris AM, Kwong L, LeBoa C, Leon AE, Lund AJ, MacDonald AJ, Metz D, Nova N, Peel AJ, Remais J, Stewart Merrill T, Wilson M, Bonds M, Dobson A, Fiorella KJ, Mandle L, and Sokolow S. 2022. Evidence gaps and diversity among potential win–win solutions for conservation and human infectious disease control. *Lancet Planetary Health* **6**: E694–E705.

Published and in press (cont'd):

58. Martinelli JC^{***}, Casendino HR^{*}, Spencer LH, Alma L, King TL, Padilla-Gamiño JL, and **Wood CL**. 2022. Evaluating treatments for shell-boring polychaete (Annelida: Spionidae) infestations of Pacific oysters (*Crassostrea gigas*) in the US Pacific Northwest. *Aquaculture* **561**: 738639.
57. Preisser WC^{***}, Welicky RL^{***}, Leslie KL, Mastick N^{**}, Fiorenza EA^{**}, Maslenikov KP, Tornabene L, Kinsella JM, and **Wood CL**. 2022. Parasite communities in English Sole (*Parophrys vetulus*) have changed in composition but not richness in the Salish Sea, Washington, USA since 1930. *Parasitology* **149**: 786–798.
56. Ozetrich R, **Wood CL**, Allan F, Koumi AR, Norman R, DeLeo G, and Little D. 2022. The potential for aquaculture to control schistosomiasis and reduce poverty in sub-Saharan Africa even as climate change proceeds: A systematic review. *Reviews in Fisheries Science and Aquaculture* **30**: 467–497.
55. Ro H^{*}, Fowler AE, **Wood CL**, and Blakeslee AMH. 2022. Trematode parasites have minimal effect on the behavior of invasive green crabs. *Aquatic Invasions* **17**: 238–258.
54. Williams M^{***}, Faia S^{**}, Claar D^{***}, French B, Leslie K, Oven E, Guerra AS, Micheli F, Zgliczynski B, Haupt A, Sandin S, and **Wood CL**. 2022. Life history mediates the association between parasite abundance and geographic features. *Journal of Animal Ecology* **91**: 996–1009.
53. Liu ZYC, Chamberlin AJ, Tallam K, Jones IJ, Lamore LL, Bauer J, Bresciani M, Wolfe CM, Casagrandi R, Mari L, Gatto M, Diongue AK, Toure L, Rohr J, Riveau G, Jouanard N, **Wood CL**, Sokolow SH, Mandle L, Daily G, Lambin EF, and De Leo GA. 2022. Deep learning segmentation of satellite imagery identifies aquatic vegetation associated with snail intermediate hosts of schistosomiasis in Senegal, Africa. *Remote Sensing* **14**: 1345.
52. **Wood CL**, Leslie KL, Greene A^{*}, Lam LS, Basnett B, Hamilton SL, and Samhouri JF. 2021. The weaker sex: Male lingcod (*Ophiodon elongatus*) with blue color polymorphism are more burdened by parasites than are other sex–color combinations. *PLoS One* **16**: e0261202.
51. Jones IJ, Sokolow SH, Chamberlin AJ, Lund AJ, Jouanard N, Bandagny L, Ndione R, Senghor S, Schacht A-M, Riveau G, Hopkins SR, Rohr JR, Remais JV, Lafferty KD, Kuris AM, **Wood CL**, and De Leo GA. 2021. Schistosomiasis in Senegal is associated with different spatial extents of risk and ecological drivers for *S. haematobium* and *S. mansoni*. *PLoS Neglected Tropical Diseases* **15**: e0009712.
50. Lund AJ, Sokolow SH, Jones IJ, **Wood CL**, Ali S, Chamberlin AJ, Sy AB, Sam MM, Jouanard D, Schacht A-M, Senghor S, Fall A, Ndione R, Riveau G, De Leo GA, and Lopez-Carr D. 2021. Exposure, hazard and vulnerability all contribute to *Schistosoma haematobium* re-infection in northern Senegal. *PLoS Neglected Tropical Diseases* **15**: e0009806.
49. Welicky R^{***}, Preisser W^{***}, Leslie K, Mastick N^{**}, Fiorenza E^{**}, Maslenikov K, Tornabene L, Kinsella M, and **Wood CL**. 2021. Parasites of the past: Ninety years of change in parasitism for English Sole. *Frontiers in Ecology and the Environment* **19**: 470–477.
48. Quinn J^{*}, Lee SC, Greeley D^{*}, Gehman A, Kuris AM, and **Wood CL**. 2021. Long-term change in the parasite burden of shore crabs (*Hemigrapsus oregonensis* and *H. nudus*) on the northwestern Pacific coast of North America. *Proceedings of the Royal Society of London B* **288**: 20203036.
47. Claar DC^{***}, Kuris AM, Leslie K, Welicky R^{***}, Williams M^{***}, and **Wood CL**. 2021. Parasite biodiversity: A peer-reviewed, open-access module for teaching and learning. Produced in collaboration with the Network of Conservation Educators and Practitioners, Center for Biodiversity and Conservation, American Museum of Natural History, New York, NY. *Lessons in Conservation* **11**: 39–57. Available from <https://ncep.amnh.org/linc>.
46. Spencer LH^{**}, Martinelli JC^{***}, King TL, Crim R, Blake B, Lopes HM^{*}, and **Wood CL**. 2021. The risks of shell-boring polychaetes to shellfish aquaculture in Washington, USA: A mini-review to inform mitigation actions. *Aquaculture Research* **52**: 438–455.
45. Welicky R^{***}, Rolfe F, Leazer K, Maslenikov K, Tornabene L, Holtgrieve G, and **Wood CL**. 2021. Fluid-preserved fishes are one solution for assessing historical change in fish trophic level. *Ecology and Evolution* **11**: 415–426.

PUBLICATIONS (CONT'D)

Published and in press (cont'd):

44. Hopkins SR, Sokolow SH, De Leo GA, Buck JC, Jones I, Kwong L, LeBoa C, Lund AJ, MacDonald AJ, Nova N, Olson SH, Peel AJ, **Wood CL**, and Lafferty KD. 2021. How to identify win-win interventions that benefit human health and conservation. *Nature Sustainability* **4**: 298–304.
43. Chamberlin AJ, Jones IJ, Lund AJ, Jouanard N, Riveau G, Ndione R, Sokolow SH, **Wood CL**, Lafferty KD, De Leo GA. 2020. Visualization of schistosomiasis snail habitat using light unmanned aerial vehicles. *Geospatial Health* **15**. <https://doi.org/10.4081/gh.2020.818>.
42. Carlson CJ, Hopkins S, Bell KC, Doña J, Godfrey SS, Kwak ML, Lafferty KD, Moir ML, Speer KA, Strona G, Torchin M, and **Wood CL**. 2020. A global parasite conservation plan. *Biological Conservation* **250**: 108596.
41. Haggerty CJE, Bakhoun S, Civitello DJ, De Leo GA, Jouanard N, Ndione RA, Remais JV, Riveau G, Senghor S, Sokolow SH, Souleymane SOW, Wolfe C, **Wood CL**, Jones I*, Chamberlin A, and Rohr JR. 2020. Aquatic macrophytes and macroinvertebrate predators affect densities of schistosome cercariae, the parasitic life stage causing human schistosomiasis. *PLoS Neglected Tropical Diseases* **14**: e0008417.
40. Fiorenza EA**, Leslie KL, Torchin ME, Maslenikov KP, Tornabene L, and **Wood CL**. 2020. Fluid preservation causes minimal reduction of parasite detectability in fish specimens: A new approach for reconstructing parasite communities of the past. *Ecology and Evolution* **10**: 6449–6460.
39. Claar DC*** and **Wood CL**. 2020. Pulse heat stress and parasitism in a warming world. *Trends in Ecology and Evolution* **35**: 704–715.
38. **Wood CL**, Summerside M*, and Johnson PTJ. 2020. How host diversity and abundance affect parasite infections: Results from a whole-ecosystem manipulation of bird activity. *Biological Conservation* **248**: 108683.
37. Fiorenza EA**, Wendt CA**, Dobkowski KA***, King TL, Pappaionou M, Rabinowitz P, Samhouri JF, and **Wood CL**. 2020. It's a wormy world: Meta-analysis reveals long-term change in the global abundance of parasitic anisakid nematodes in fishes and invertebrates. *Global Change Biology* **26**: 2854–2866.
36. Martinelli JC***, Lopes HM*, Hauser L, Jimenez-Hidalgo I, King TL, Padilla-Gamiño JL, Rawson P, Spencer LH**, Williams J, and **Wood CL**. 2020. Confirmation of the shell-boring oyster parasite *Polydora websteri* (Polychaeta: Spionidae) in Washington State, USA. *Scientific Reports* **10**: 2961.
35. Rohr JR, Civitello DJ, Halliday FW, Hudson PJ, Lafferty KD, **Wood CL**, and Mordecai EA. 2020. Towards common ground in the biodiversity–disease debate. *Nature Ecology and Evolution* **4**: 24–33.
34. **Wood CL**, Sokolow S, Jones I, Chamberlin A, Lafferty KD, Kuris AM, Jocque M, Hopkins S, Adams G, Buck JC, Lund A, Garcia-Vedrenne AE, Fiorenza E**, Rohr JR, Allan F, Webster B, Rabone M, Webster JP, Bandagny L, Ndione R, Senghor S, Schacht A-M, Jouanard N, Riveau G, and De Leo G. 2019. Precision mapping of snail habitat provides a powerful indicator of human schistosomiasis transmission. *Proceedings of the National Academy of Sciences of the USA* **116**: 23182–91.
33. Stewart Lowndes JS, Froehlich HE, Horst A, Jayasundara N, Pinsky ML, Stier AC, Therkildsen NO, and **Wood CL**. 2019. Supercharge your research: A ten-week plan for open science. *Nature*. doi:10.1038/d41586-019-03335-4.
32. **Wood CL**, Summerside M*, and Johnson PTJ. 2019. An effective method for ecosystem-scale manipulation of bird abundance and diversity. *Ecology and Evolution* **9**: 9748–58.
31. Hoover CM, Sokolow SH, Kemp J, Sanchirico JN, Lund AJ, Jones I, Higginson T, Riveau G, Savaya-Alkalay A, Coyle S, **Wood CL**, Micheli F, Casagrandi R, Mari L, Gatto M, Rinaldo A, Perez-Saez J, Rohr JR, Sagi A, Remais JV, and De Leo GA. 2019. Modelled effects of prawn aquaculture on poverty alleviation and schistosomiasis control. *Nature Sustainability* **2**: 611–20.
30. Harmon A**, Littlewood DTJ, and **Wood CL**. 2019. Parasites lost: Using natural history collections to track disease change across deep time. *Frontiers in Ecology and the Environment* **17**: 157–66.

Published and in press (cont'd):

29. Catalano S, Nadler SA, Fall CB, Marsh KJ, Léger E, Sène M, Priestnall SL, **Wood CL**, Diouf ND, Bâ K, and Webster JP. 2019. *Plagiorchis* sp. in small mammals of Senegal and the potential emergence of a zoonotic trematodiasis. *International Journal for Parasitology: Parasites and Wildlife* **8**: 164–70.
28. Arostegui MC^{**}, **Wood CL**, Jones IJ, Chamberlin A, Jouanard N, Faye DS, Kuris AM, Riveau G, De Leo GA, and Sokolow SH. 2019. Potential biological control of schistosomiasis by fishes in the lower Senegal River basin. *American Journal of Tropical Medicine and Hygiene* **100**: 117–26.
27. Hewitt TL^{**}, **Wood CL**, and Ó Foighil D. 2019. Ecological correlates and phylogenetic signal of host use in North American unionid mussels. *International Journal for Parasitology* **49**: 71–81.
26. Howard I^{*}, Davis E^{*}, Lippert G, Quinn TP, and **Wood CL**. 2019. Evidence from museum specimens confirms historical data: Abundance of an economically important nematode parasite increased in Puget Sound between 1930 and 2016. *Journal of Applied Ecology* **56**: 190–200.
25. **Wood CL**, Zgliczynski BJ, Haupt AJ, Guerra AS^{**}, Micheli F, and Sandin SA. 2018. Human impacts decouple a fundamental ecological relationship – the positive association between host diversity and parasite diversity. *Global Change Biology* **24**: 3666–79.
24. Sokolow SH, **Wood CL**, Jones IJ, Lafferty KD, Kuris A, Hsieh MH, and DeLeo G. 2018. To reduce the global burden of human schistosomiasis, use “old-fashioned” snail control. *Trends in Parasitology* **34**: 23–40.
23. **Wood CL**, McInturff A, Young HS, Kim DH, and Lafferty KD. 2017. Human infectious disease burdens decrease with urbanization but not with biodiversity. *Philosophical Transactions of the Royal Society B* **372**: 20160117.
22. Sokolow SH, Jones IJ, Jocque M, La D, Cords O, Knight A, Lund A, **Wood CL**, Lafferty KD, Kuris AM, Hoover CM, Collender PA, Remais J, Lopez-Carr D, DeLeo G. 2017. Nearly 400 million people are at higher risk of schistosomiasis because dams block the migration of snail-eating river prawns. *Philosophical Transactions of the Royal Society B* **372**: 20160127.
21. Young HS, **Wood CL**, Kilpatrick AM, Lafferty KD, Nunn CL, and Vincent JR. 2017. Conservation, biodiversity, and infectious disease: Scientific evidence and policy implications. *Philosophical Transactions of the Royal Society B* **372**: 20160124.
20. **Wood CL** and Johnson PTJ. 2016. How does space influence the relationship between host and parasite diversity? *Journal of Parasitology* **102**: 485–94.
19. Sokolow SS, **Wood CL**, Jones IJ, Swartz S, Lopez M, Hsieh M, Lafferty KD, Kuris AM, and DeLeo GA. 2016. Global assessment of schistosomiasis control over the past century shows targeting the snail intermediate host works best. *PLoS Neglected Tropical Diseases* **10**: e0004794.
18. Johnson PTJ, **Wood CL**, Joseph MB, Preston DL, Haas S, and Springer Y. 2016. Habitat heterogeneity drives the host-diversity-begets-parasite-diversity relationship: Evidence from experimental and field studies. *Ecology Letters* **19**: 752–61.
17. Guerra AS^{*}, Micheli F, and **Wood CL**. 2016. Ecology of a vulnerable shorebird across a gradient of habitat alteration: Bristle-thighed Curlews (*Numenius tahitiensis*) on Palmyra Atoll. *Pacific Science* **70**: 159–74.
16. **Wood CL**, Lafferty KD, DeLeo GA, Young HS, Hudson PJ, and Kuris AM. 2016. Does biodiversity protect humans against infectious disease? Reply. *Ecology* **97**: 542–46.
15. Swartz SJ, DeLeo GA, **Wood CL**, and Sokolow SH. 2015. Infection with schistosome parasites in snails leads to increased predation by prawns: implications for human schistosomiasis control. *Journal of Experimental Biology* **218**: 3962–67.
14. **Wood CL** and Johnson PTJ. 2015. A world without parasites: Exploring the hidden ecology of infection. *Frontiers in Ecology and the Environment* **13**: 425–34.
13. **Wood CL**, Baum J, Reddy SMW, Trebilco R, Sandin S, Zgliczynski B, Briggs A, and Micheli F. 2015. Productivity and fishing pressure drive variability in fish parasite assemblages of the Line Islands, equatorial Pacific. *Ecology* **96**: 1383–98.

PUBLICATIONS (CONT'D)

Published and in press (cont'd):

12. **Wood CL** and Lafferty KD. 2015. How have fisheries affected parasite communities? *Parasitology* **142**:134-44.
11. **Wood CL**. 2014. Environmental change and the ecology of infectious disease. *Science* **346**: 1192.
10. Papastamatiou YP, **Wood CL**, Bradley DE, McCauley DJ, Pollock AL, and Caselle JE. 2014. First record of the Pacific lemon shark, *Negaprion acutidens*, in Palmyra Atoll, central Pacific: A recent colonization event? *Marine Biodiversity Records* **14**: e114.
9. **Wood CL**, Sandin S, Zgliczynski B, Guerra AS*, and Micheli F. 2014. Fishing drives declines in fish parasite diversity and has variable effects on parasite abundance. *Ecology* **95**: 1929-46.
8. **Wood CL**, Lafferty KD, DeLeo G, Young HS, Hudson PJ, and Kuris AM. 2014. Does biodiversity protect humans against infectious disease? *Ecology* **95**: 817-32.
7. **Wood CL**, Micheli F, Fernández M, Castilla JC, and Carvajal J. 2013. Marine protected areas facilitate parasite populations among four fished host species of central Chile. *Journal of Animal Ecology* **82**: 1276-87.
6. Lafferty KD and **Wood CL**. 2013. It's a myth that protection against disease is a strong and general service of biodiversity conservation: Response to Ostfeld and Keesing. *Trends in Ecology and Evolution* **28**: 503-04.
5. Young HS, Griffin RH, **Wood CL**, and Nunn CL. 2013. Does habitat disturbance increase infectious disease risk for primates? *Ecology Letters* **16**: 656-63.
4. **Wood CL** and Lafferty KD. 2013. Biodiversity and disease: A synthesis of opposing ecological models for Lyme disease transmission. *Trends in Ecology and Evolution* **28**: 239-47.
3. Gaither MR, Aeby G, Vignon M, Meguro Y, Runion C, Toonen RJ, **Wood CL**, and Bowen BW. 2013. An invasive fish and the time-lagged spread of its parasite across the Hawaiian archipelago. *PLoS One* **8**: e56940.
2. **Wood CL**, Lafferty KD, and Micheli F. 2010. Fishing out marine parasites? Impacts of fishing on rates of parasitism in the ocean. *Ecology Letters* **13**: 761-75.
1. **Wood CL**, Byers JE, Cottingham KL, Altman I, Donahue MJ, and Blakeslee AMH. 2007. Parasites alter community structure. *Proceedings of the National Academy of Sciences of the USA* **104**: 9335-39.

Published book chapters:

5. **Wood CL**, Comisso G**, Diaz Morales DM***, McClenachan L, Rollins R, Slapeta J, and Whalen C**. 2026. What is "normal"? Defining baseline states of infection for ecosystems. Invited chapter for *The Ecology and Evolution of Marine Parasites and Disease* (Byers JE, Blakeslee AMH, Wares J, eds), Oxford University Press. pp. 181-202.
4. **Wood CL**. 2023. Parasites in a changing world. In: Pogliano J, Ed. *Undergraduate Biology*. Veloxsci Publishing, Inc. <https://nexustexts.com>.
3. Behringer DC, **Wood CL**, Krkosek M, and Bushek D. 2020. Disease in fisheries and aquaculture. In: Marine Disease Ecology (Behringer DC, Lafferty KD, and Silliman BR, Eds). Oxford University Press. pp. 183-209.
2. Micheli F, DeLeo G, Ferretti F, Hines AM, Honey K, Kroeker K, Martone RG, McCauley DJ, O'Leary JK, Rosim D, Sokolow S, Stock A, and **Wood CL**. 2016. Ocean Health. In: *Routledge Handbook of Ocean Resources and Management* (Smith HD, Suarez de Vivero JL, and Agardy TS, Eds). Routledge Taylor & Francis Group. Pp. 108-126.
1. DeLeo G and **Wood CL**. 2012. Disease dynamics. In: *Encyclopedia of Theoretical Ecology* (Hastings A and Gross L, Eds). University of California Press. pp. 179-87.

PUBLICATIONS (CONT'D)

Published abstracts:

- De Leo GA, Sokolow SH, Garchitorena A, Ngonghala CN, Lund A, Barry M, Burke KS, Mordecai EA, Daily GC, Jones JH, Andrews JR, Bendavid E, Luby SP, LaBeaud AD, Seetah K, Guegan J-F, Lafferty KD, **Wood CL**, Jones IJ, Bonds MH. 2017. A novel framework to account for ecological drivers in the control and elimination of environmentally transmitted disease: A modelling study. *Lancet* **389**: S5.
- Sokolow SH, Jones IJ, Jocque M, La D, Cords O, Knight A, Lund A, **Wood CL**, Lafferty KD, Hoover CM, Collender PA, Remais J, Lopez-Carr D, Fisk J, Kuris AM, De Leo GA. 2017. Water, dams, and prawns: Novel ecological solutions for the control and elimination of schistosomiasis. *Lancet* **389**: S20.

Teaching materials:

- Undergraduate level:** Claar DC, Kuris AM, Leslie K, Welicky R, Williams M, and **Wood CL**. 2021. Parasite biodiversity: A peer-reviewed, open-access module for teaching and learning. Produced in collaboration with the Network of Conservation Educators and Practitioners, Center for Biodiversity and Conservation, American Museum of Natural History, New York, NY. *Lessons in Conservation* **11**: 39–57. Available from <https://ncep.amnh.org/linc>.
- Elementary level:** **Wood CL**, Boatman G, Boyd D, Christner SR, Commisso G, Diaz-Morales D, Goldsmith J, Leslie K, Ortega E, Perales-Macedo DM, Perron B, Thirtyacre J, von der Ohe S, and Whalen CJ. 2026. Power to the parasites! Parasite biodiversity for elementary learners. OER Commons. <https://oercommons.org/courseware/lesson/143173>.

Outreach materials:

- King TL, Martinelli JC, and **Wood CL**. Shell-boring worms on Pacific oyster farms of the US west coast: Prevalence, distribution, and control measures. Western Regional Aquaculture Center (WRAC) Extension Bulletin. Seattle, WA: WRAC.
- Wood CL**. Identifying aquatic plants with drones could be the key to reducing a parasitic infection in people. 2020. *The Conversation*. <https://theconversation.com/identifying-aquatic-plants-with-drones-could-be-thekey-to-reducing-a-parasitic-infection-in-people-127422>
- Sokolow S, Jones I, Jocque M, La D, Cords O, Knight A, Lund A, **Wood CL**, Lafferty KD, Hoover C, Collender P, Remais J, Lopez-Carr D, Fisk J, Kuris M, De Leo G. 2018. More river prawns = less snail fever? *Science Journal for Kids*. http://www.sciencejournalforkids.org/uploads/5/4/2/8/54289603/schisto_article.pdf

PUBLICATIONS (CONT'D)

Publications in review or revision:

- Aslan IH, Pourtois JF, Forstchen M, Goodman MC, Chamberlin AJ, Mitchell KR, Mari L, Lo NC, Lwiza KM, Diakite NR, Ouattara M, N'Goran EK, **Wood CL**, Tuan R, Allan F, Caldeira RL, Liu P, Monteiro AMV, Rohr J, Mordecai EA, and De Leo GA. Seasonal temperature fluctuation and snail adaptive behaviors yield insights into the dynamics and distribution of schistosomiasis in Africa.
- Commisso G, Kuris AM, and **Wood CL**. Invasive species could threaten parasite conservation: A synthesis of current evidence and proposed methods for future studies.
- Cruz-Laufer AJ, Van Passel L, Sadio O, Dahdouh-Guebas F, Appy R, Bernot JP, Bouguerche C, Diamanka A, Hernández-Orts J, Kmentová N, Mendoza-Franco EF, Pantoja C, Shigoley M, Vangelder N, **Wood CL**, and Vanhove MPM. Parasite communities of mangrove fishes: A case study of species diversity, molecular data, trophic transmission, and fisheries impact
- Filas H, **Wood CL**, Braun CD, Kuris AM, Arostegui MC. A case study in louvar (*Luvarus imperialis*): Parasites as indicators of ecology in enigmatic species.
- Kasembele GK, Vanhove MPM, Shigoley MI, Topić M, Abwe E, Mulega AM, Luus-Powell WJ, Wood CL, and Appy R. Morphological identification and first molecular characterisation of *Galeiceps* Railliet, 1916 (Nematoda) from *Clarias stappersii* in the Upper Congo Basin (Democratic Republic of the Congo).
- Mastick NC*, Van Cise AM, Parsons KM, Ashe E, Williams R, Childress JN, Nguyen A, Fearnbach H, Durban JW, Emmons C, Hanson B, Olsen D, and **Wood CL**. *Anisakis* spp. nematodes commonly infect the intestines living resident killer whales in the Northeast Pacific Ocean.
- Mitchell K, Goodman M, Ravoniarimbina P, Rasamy J, **Wood CL**, Lo N, Andriamaro L, and De Leo G. Propagating uncertainty from biotic interactions in species distribution models guides multispecies survey design.
- Veggerby K, **Wood CL**, Quinn TP, and Scheuerell MD. Climate-associated change in the abundance of shrimp in Puget Sound, USA.
- Zgliczynski BJ, Caldwell LT, Williams GJ, Hamilton SL, **Wood CL**, Friedlander AM, Akiona AK, Eynaud Y, DeMartini E, Sandin SA. The influence of oceanic primary production and anthropogenic processes on the life history of coral reef fishes.

RESEARCH GRANTS AND CONTRACTS

Funding agency, program, and award number	Title	Total amount	Wood amount	Wood role	Dates
The Tetiaroa Society	Does the presence of predators dilute or amplify parasite transmission? A natural experiment on Tetiaroa	\$28,900	\$28,900	Wood is sole PI	03/01/2026–03/31/2027
North Pacific Research Board	Addressing the burden of parasitism in Alaskan marine fishes	\$515,850	\$463,930	Wood is lead PI; co-PIs include Andrés López and Steven Bograd; partners include Roger Topp, Claudia Coles, and Bruce Odegard	07/01/2025–12/31/2027
NSF Division of Environmental Biology	Collaborative Research: Linking social-environmental health to the trophic and disease dynamics of urban carnivores	\$714,816	\$19,298	Laura Prugh is lead PI, Wood and Chris Schell are co-PIs	10/01/2022–09/30/2025
NSF CAREER Award	Reconstructing parasite abundance in river ecosystems over the past half century	\$909,043	\$909,043	Wood is sole PI; Senior Personnel include Henry Bart, Tom Turner, Armand Kuris, and Maarten Vanhove	09/15/2022–08/31/2027
SeaDoc Society	Reconstructing the ecological history of shell-boring polychaete pests in the Salish Sea to inform conservation and restoration strategies for native <i>Olympia</i> oysters (<i>Ostrea lurida</i>)	\$49,532	\$49,532	Wood is lead PI; co-PIs include Brady Blake, Chris Eardley, Betsy Peabody, Brian Allen, and Teri King	09/01/2021–02/28/2022
UW Royalty Research Fund	Evaluating links between pollution and parasite transmission over half a century	\$39,559	\$39,559	Wood is sole PI	06/15/2021–03/31/2023
UW College of the Environment Research Accelerator Award	Decomposing the effects of diversity on the abundance of marine parasites	\$23,174	\$23,174	Wood is sole PI	06/01/2021–11/30/2021
Cooperative Institute for Climate, Ocean, and Ecosystem Studies (CICOES) Research Grant	Is climate warming associated with elevated parasite burden for marine fishes in the Gulf of Alaska?	\$44,994	\$38,838	Wood is lead PI; co-PIs include Andrés López and Steven Bograd	03/01/2021–02/28/2022
Kenneth K. Chew Endowed Professorship in Aquaculture	Shell-boring polychaetes in oyster aquaculture	\$3,000	\$3,000	Wood is sole PI	01/08/2021–06/30/2021
UW Population Health Initiative and EarthLab Pilot Research Grant	Environmental and human health impacts of a new invasive species in Madagascar	\$49,943	\$49,943	Wood is lead PI; co-PIs include Peter Rabinowitz, Luciano Andriamaro, Susanne Sokolow, Giulio DeLeo, and Julia PG Jones	05/01/2020–04/30/2021
Belmont Forum	Integrated risk mapping and targeted snail control to support schistosomiasis elimination in Brazil and Cote d'Ivoire under future climate change	\$1,000,000	\$9,839	PI = Giulio DeLeo, co-PIs = Chelsea Wood , Susanne Sokolow, N'Goran Eliezer Kouakou, Andrew Brierly, Liu Ping, Rachel Norman, Kamazima Lwiza, Roseli Tuan, and Robert Lima Caldeira	01/01/2020–12/31/2022
National Science Foundation Research Traineeship (NRT)	Future Rivers: Training a scientifically innovative, communication-savvy STEM workforce for sustaining food-energy-water services in large and transboundary river ecosystems	\$3,000,000	\$24,675	PI and Director of Future Rivers NRT = Gordon Holtgrieve, co-PIs and co-Directors = Chelsea Wood , Magdalena Balazinska, David Butman, and Faisal Hossain	09/01/2019–08/31/2024
Western Regional Aquaculture Center (US Department of Agriculture, National Institute of Food and Agriculture)	Detection and control of mud blister worm (<i>Polydora</i> spp.) infestation on commercial oyster farms throughout the Pacific Northwest	\$359,065	\$218,117	Wood is lead PI; co-PIs include Jacqueline Padilla-Gamiño, Lorenz Hauser, Steven Rumrill, and Teri King	06/01/2019–08/31/2023

RESEARCH GRANTS AND CONTRACTS (CONT'D)

Funding agency, program, and award number	Title	Total amount	Wood amount	Wood role	Dates
Washington Research Foundation Postdoctoral Fellowship	Using compound-specific stable isotope analysis to evaluate trophic downgrading of Puget Sound fishes over the past 100 years	\$270,353	\$270,353	Wood is the supervisor of the funded postdoc, Rachel Welicky	01/01/2019–12/31/2022
National Science Foundation, Division of Geosciences, Biological Oceanography Program (OCE-1829509)	Collaborative Research: Decomposing the effects of diversity on the abundance of marine parasites	\$1,050,244	\$636,888	Wood is lead PI; co-PIs include Stuart Sandin and Alison Haupt	10/01/2018–09/30/2021
Sloan Research Fellowship, Alfred P. Sloan Foundation	A rising tide of marine disease? Unraveling the dynamics of infection in a changing ocean	\$65,000	\$65,000	Wood is sole PI	09/15/2018–09/14/2020
Contract with Oceans Initiative	Assessing fitness effects of parasitism for southern resident killer whales	\$64,112	\$64,112	Wood is sole PI	09/14/2018–09/25/2020
UW Innovation Award, UW President's Innovation Imperative	A rising tide of marine disease? Unraveling the dynamics of infection in a changing ocean	\$297,067	\$297,067	Wood is lead PI; co-PI is Luke Tornabene	03/01/2018–02/28/2021
Washington Sea Grant Program Development Grant	Uniting ecology and epidemiology to address anisakiasis risk from seafood consumption	\$24,589	\$24,589	Wood is sole PI	02/01/2018–08/31/2019
Contract with US Geological Survey	Transmission dynamics of <i>Ichthyophonus</i> in Pacific herring	\$206,706	\$206,706	Wood is sole PI	01/16/2017–01/14/2022
UW Royalty Research Fund	A rising tide of marine disease? Unraveling the dynamics of infection in a changing ocean	\$34,779	\$34,779	Wood is sole PI	02/01/2017–01/31/2018
TOTAL AWARDED SINCE TENURE		\$2,168,609	\$1,421,171	Lead PI on 3 projects, co-PI on 1 project	
TOTAL AWARDED OVERALL		\$8,750,726	\$3,477,332	Lead PI on 18 projects, co-PI on 3 projects	

HONORS

- 2020 Kavli Fellow, Kavli Frontiers of Science Program, US National Academy of Sciences
www.nasonline.org/programs/kavli-frontiers-of-science/
- 2020 Runner-up, Asia-Pacific Economic Cooperation (APEC) Science Prize for Innovation, Research, and Education (ASPIRE) www.apec.org/aspire/aspire2020
- 2019 Rising Star in Ecology Lecture, Atwood Colloquium, University of Toronto Department of Ecology and Evolutionary Biology
- 2018 University of Washington Distinguished Teaching Award
- 2018 University of Washington College of the Environment Exceptional Mentoring of Undergraduates Award
- 2018 Sloan Research Fellow, Alfred P. Sloan Foundation
- 2017 ESA Early Career Fellow
- 2015 Outstanding Research Mentor Award, UROP, University of Michigan
- 2014 Science & SciLifeLab Prize for Young Scientists
- 2013 Frances Lou Kallman Award, Stanford University Department of Biology
- 2011 Arthur C. Giese Award for Original Experimental Work in Marine Biology, Stanford University
- 2010 National Science Foundation Graduate Research Fellowship
- 2009 Honorable Mention, National Science Foundation Graduate Research Fellowship Competition
- 2009 Stanford Biology Excellence in Teaching Award, Stanford University
- 2009 Eugene C. and Aileen E. Haderlie Memorial Award, Stanford University
- 2008 Ecological Society of America Outstanding Student Research Award
- 2008 Honorable Mention, National Science Foundation Graduate Research Fellowship Competition
- 2008 Stanford Graduate Fellowship, Stanford University (awarded to 4 of ~50 incoming Biology PhD students)
- 2006 Honorable Mention, Best Oral Presentation, Benthic Ecology Meeting

KEYNOTE AND PLENARY PRESENTATIONS

- 2026 **Oceans Past XI Conference**, Victoria, Canada. Keynote: *Is the world wormier than it used to be? Answers from a new sub-discipline: The historical ecology of parasitism.*
- 2025 **Joint Conference of the Swiss, German, and British Societies of Parasitology**, Würzburg, Germany. Keynote: *Is the world wormier than it used to be? Answers from a new sub-discipline: The historical ecology of parasitism.*
- 2025 **International Symposium on Fish Parasites**, Mérida, Mexico. Plenary: *Is the world wormier than it used to be? Answers from a new sub-discipline: The historical ecology of parasitism.*
- 2023 **Science and SciLifeLab Prize Symposium 2023**, Stockholm, Sweden. Keynote: *Is the world wormier than it used to be? Answers from a new sub-discipline: The historical ecology of parasitism.*
- 2022 **International Symposium on Ecology and Evolution of Marine Parasites and Diseases 2022**, La Rochelle, France. Keynote: *Is the world wormier than it used to be? Answers from a new sub-discipline: The historical ecology of parasitism.*
- 2022 **International Congress of Parasitology (ICOPA) 2022**, Copenhagen, Denmark. Plenary: *Is the world wormier than it used to be? Answers from a new sub-discipline: The historical ecology of parasitism.*
- 2021 **Zoonoses 2021, German Research Platform for Zoonoses**. Keynote: *The surprising relationship between biodiversity and disease risk for the world's most burdensome zoonoses.*
- 2021 **American Society for Microbiology**. Plenary: *Long-term trajectories of change in parasite communities.*
- 2019 **University of Toronto, Department of Ecology and Evolutionary Biology, Atwood Colloquium, Rising Star in Ecology Lecture**, Toronto, Canada. Keynote: *Ghosts of oceans past: How fishing reshapes communities of fishes and their parasites.*
- 2018 **University of Puget Sound Phi Sigma Biological Honors Society Undergraduate Research Symposium**, Tacoma, WA. Keynote: *People, nature, and disease: Adventures in parasite ecology.*

INVITED PRESENTATIONS

- 2026 **Oceans Past XI Conference**, Victoria, Canada. Panel discussion: *The science-policy interface: A survival kit for Marine Historical Ecology*.
- 2025 **Kyoto University, Center for Ecological Research**. Kyoto, Japan. Seminar: *Is the world wormier than it used to be? Answers from a new sub-discipline: The historical ecology of parasitism*.
- 2025 **Kyoto University, Center for Ecological Research**. Kyoto, Japan. Seminar: *Why does Chelsea care whether the world is wormier than it used to be? How I discovered the scientific question that gets me out of bed in the morning*.
- 2025 **Oregon State University, Department of Fisheries, Wildlife, and Conservation Science**. Corvallis, OR. Seminar: *Catalyzing excellence: A vision for fisheries, wildlife, and conservation science in a changing world*.
- 2025 **University of New Mexico, Department of Biology**. Albuquerque, NM. Seminar: *Is the world wormier than it used to be? Answers from a new sub-discipline: The historical ecology of parasitism*.
- 2025 **University of Georgia, Odum School of Ecology**. Athens, GA. Seminar: *Is the world wormier than it used to be? Answers from a new sub-discipline: The historical ecology of parasitism*.
- 2025 **Benthic Ecology Meeting**. Mobile, AL. Invited oral presentation: *What is "normal"? Defining baseline states of infection for ecosystems*.
- 2025 **Tulane University, Department of Ecology and Evolutionary Biology**. New Orleans, LA. Seminar: *Is the world wormier than it used to be? Answers from a new sub-discipline: The historical ecology of parasitism*.
- 2025 **International Symposium on Fish Parasites**, Mérida, Mexico. Invited talk: *What are the processes that drive parasite endangerment and extinction?*
- 2024 **Verena Institute, Georgetown University**. Washington, DC. Seminar: *Is the world wormier than it used to be? Answers from a new sub-discipline: The historical ecology of parasitism*.
- 2023 **Science/AAAS**. Webinar: *Stronger together: Making space on team science for diverse career paths*.
- 2023 **Texas A&M University, Department of Ecology and Evolutionary Biology**. College Station, TX. Seminar: *Is the world wormier than it used to be? Answers from a new sub-discipline: The historical ecology of parasitism*.
- 2023 **British Ecological Society workshop, "Leveraging natural history collections to understand global change."** London, UK. Seminar: *Is the world wormier than it used to be? Answers from a new sub-discipline: The historical ecology of parasitism*.
- 2022 **Hasselt University, Centre for Environmental Sciences**. Hasselt, Belgium. Seminar: *Is the world wormier than it used to be? Answers from a new sub-discipline: The historical ecology of parasitism*.
- 2022 **Natural History Museum of London, Department of Life Sciences**. London, UK. Seminar: *Is the world wormier than it used to be? Answers from a new sub-discipline: The historical ecology of parasitism*.
- 2022 **Arctic University of Norway, Freshwater Ecology Seminar Series**. Tromsø, Norway. Seminar: *Is the world wormier than it used to be? Answers from a new sub-discipline: The historical ecology of parasitism*.
- 2022 **University of Wisconsin Madison, Parasitology and Vector Biology Seminar Series**. Seminar: *Long-term trajectories of change in parasite communities*.
- 2022 **University of Washington School of Public Health, Department of Department of Environmental and Occupational Health Sciences**. Seminar: *Ghosts of oceans past: What can data on historical parasite burdens tell us about the future of marine disease?*
- 2022 **University of Washington, Department of Microbiology**. Seminar: *Ghosts of oceans past: What can data on historical parasite burdens tell us about the future of marine disease?*
- 2021 **Cornell University, Department of Ecology and Evolutionary Biology**. Seminar: *Ghosts of oceans past: What can data on historical parasite burdens tell us about the future of marine disease?*
- 2021 **United Nations Biodiversity Conference, Parasite Biodiversity Day**. Seminar: *What's past is prologue: Decoding the history and predicting the future of marine parasitism*.

INVITED PRESENTATIONS (CONT'D)

- 2021 **San Diego Natural History Museum, State of Biodiversity Symposium.** Seminar: *The surprising relationship between biodiversity and disease risk for the world's most burdensome infectious diseases of humans.*
- 2021 **University of South Florida, College of Marine Science.** Seminar: *Ghosts of oceans past: What can data on historical parasite burdens tell us about the future of marine disease?*
- 2021 **University of Alaska Fairbanks, College of Fisheries and Ocean Sciences.** Seminar: *Ghosts of oceans past: What can data on historical parasite burdens tell us about the future of marine disease?*
- 2021 **Utah State University, Ecology Center.** Seminar: *Habitat area integrates over spatial and temporal variability in snail abundance to predict human urogenital schistosomiasis burden.*
- 2021 **Utah State University, Ecology Center.** Seminar: *Ghosts of oceans past: What can data on historical parasite burdens tell us about the future of marine disease?*
- 2020 **University of California Santa Barbara, Department of Ecology, Evolution, and Marine Biology Seminar Series.** Seminar: *Ghosts of oceans past: What can data on historical parasite burdens tell us about the future of marine disease?*
- 2020 **David Otis Speaker Series, Colorado State University, Department of Fish, Wildlife, and Conservation Biology.** Seminar: *Ghosts of oceans past: What can data on historical parasite burdens tell us about the future of marine disease?*
- 2020 **Public lecture on "biodiversity for a prosperous economy", organized by the US State Department, Asia-Pacific Economic Cooperation (APEC) Science Prize for Innovation, Research, and Education (ASPIRE).** Seminar: *Better living through ecology: How understanding biodiversity can advance human health.*
- 2020 **Hakai Institute's Synchronizing Biodiversity Seminar Series.** Seminar: *How has marine parasite biodiversity changed over time, why has it changed, and who cares?*
- 2020 **Kavli Frontiers of Science Symposium, US National Academy of Sciences.** Flash presentation: *Ghosts of oceans past: What can data on historical parasite burdens tell us about the future of marine disease?*
- 2020 **University of California Davis / Nanjing Agricultural University Online One Health Workshop.** Seminar: *Ghosts of oceans past: What can data on historical parasite burdens tell us about the future of marine disease?*
- 2020 **University of British Columbia / University of East Anglia Ecology and Evolution Online Seminar Series.** Seminar: *Ghosts of oceans past: What can data on historical parasite burdens tell us about the future of marine disease?*
- 2019 **University of Oregon, Oregon Institute of Marine Biology, Charleston, OR.** Seminar: *Ghosts of oceans past: What can data on historical parasite burdens tell us about the future of marine disease?*
- 2019 **Gordon Research Conference on Urbanization, Water, and Food Security, Hong Kong, China.** Seminar: *Ghosts of oceans past: What can data on historical parasite burdens tell us about the future of marine disease?*
- 2019 **School of Aquatic and Fishery Sciences Centennial Celebration, Seattle, WA.** Seminar: *Lessons from "lesser" taxa.* <https://www.youtube.com/watch?v=IfwMBQd-9sM>
- 2019 **University of California San Diego, Scripps Institution of Oceanography, Marine Biology Seminar Series, La Jolla, CA.** Seminar: *Ghosts of oceans past: How fishing reshapes communities of fishes and their parasites.*
- 2019 **School of Aquatic and Fishery Sciences Quantitative Seminar Series, Seattle, WA.** Seminar: *Habitat area integrates over spatial and temporal variability in snail abundance to predict human urogenital schistosomiasis burden.*
- 2018 **Ecological Society of America Annual Meeting, New Orleans, LA.** Invited oral presentation: *Human impacts decouple a fundamental ecological relationship – the positive association between host diversity and parasite diversity.*

INVITED PRESENTATIONS (CONT'D)

- 2018 **Barro Colorado Island Research Station**, Barro Colorado Island, Panama. Seminar: *Biodiversity and disease: Ecosystem services or ecosystem disservices?*
- 2018 **Smithsonian Tropical Research Institute**, Panama City, Panama. Seminar: *Ghosts of oceans past: How fishing reshapes communities of fishes and their parasites.*
- 2018 **College of William and Mary, Virginia Institute of Marine Science**, Gloucester Point, VA. Seminar: *Ghosts of oceans past: How fishing reshapes communities of fishes and their parasites.*
- 2017 **Ecology and Evolution of Infectious Diseases Meeting**, Santa Barbara, CA. Seminar: *Human infectious disease burdens decrease with urbanization but not with biodiversity.*
- 2017 **US Food and Drug Administration, Pacific Regional Laboratory Northwest**, Bothell, WA. Seminar: *Nature's services, nature's disservices: How ecology can help us understand and reduce human infectious disease burdens.*
- 2017 **University of Victoria, Department of Biology**, Victoria, BC, Canada. Seminar: *Biodiversity and disease: ecosystem services or ecosystem disservices?*
- 2016 **Indiana University, Department of Biology**, Bloomington, IN. Seminar: *Ghosts of oceans past: How fishing reshapes communities of fishes and their parasites.*
- 2016 **Friday Harbor Laboratories**, Friday Harbor, WA. Seminar: *Ghosts of oceans past: How fishing reshapes communities of fishes and their parasites.*
- 2016 **Harvard University, Harvard TH Chan School of Public Health, Center for Communicable Disease Dynamics**, Boston, MA. Seminar: *How do human impacts on the environment change patterns of disease transmission?*
- 2016 **Boston University, Department of Biology**, Boston, MA. Seminar: *Ghosts of oceans past: How fishing reshapes communities of fishes and their parasites.*
- 2016 **University of California, Riverside, Department of Biology**, Riverside, CA. Seminar: *Global environmental change and the ecology of infectious disease.*
- 2016 **George Washington University, Department of Biological Sciences**, Washington, DC. Seminar: *Ghosts of oceans past: How fishing reshapes communities of fishes and their parasites.*
- 2016 **University of Washington, School of Aquatic and Fishery Sciences**, Seattle, WA. Seminar: *Feedbacks between fishing and parasitism in a changing ocean.*
- 2015 **Trinity College Dublin, Department of Zoology**, Dublin, Ireland. Seminar: *Global environmental change and the spatial ecology of infectious disease.*
- 2015 **University of Michigan, Department of Ecology and Evolutionary Biology**, Ann Arbor, MI. Seminar: *Ghosts of oceans past: How fishing reshapes communities of fishes and their parasites.*
- 2015 **Imperial College London, Department of Life Sciences**, Silwood Park, UK. Seminar: *Winners and losers among parasites in a changing world.*
- 2015 **American Society of Parasitologists**, Omaha, NE. Seminar: *Winners and losers among parasites in a changing ocean.*
- 2015 **ETH Zurich, Department of Environmental Systems Science**, Zurich, Switzerland. Seminar: *Winners and losers among parasites in a changing world.*
- 2015 **Michigan Society of Fellows**, Ann Arbor, MI. Seminar: *People, nature, and disease: Adventures in parasite ecology.*
- 2014 **University of Hawaii at Mānoa, Department of Biology**, Honolulu, HI. Seminar: *Winners and losers among parasites in a changing ocean.*
- 2012 **Ecology and Evolution of Infectious Disease Conference**, Ann Arbor, MI. Seminar: *How does fishing affect the parasites of fished species?*
- 2011 **American Fisheries Society Annual Meeting**, Seattle, WA. Seminar: *Fishing out marine parasites? Impacts of fishing on the abundance and diversity of fish parasites.*

CONTRIBUTED PRESENTATIONS

- 2024 **Western Society of Naturalists Meeting**, Portland, OR. Oral presentation: *Blood, guts, death, and poop: Can you teach second graders about parasites?*
- 2021 **Pacific Coast Shellfish Growers Association Annual Shellfish Conference**. Oral presentation: *Shell-boring polychaete pests of oysters: Perspectives from the US Pacific Northwest.*
- 2021 **Ecological Society of America Annual Meeting**. Oral presentation: *The weaker sex: Male lingcod (*Ophiodon elongatus*) with blue color polymorphism are more burdened by parasites than are other sex-color combinations.*
- 2021 **Washington Sea Grant Conference for Shellfish Growers**. Oral presentation: *Detection and control of mud blister worm (*Polydora* spp.) infestation on commercial oyster farms throughout the Pacific Northwest.*
- 2018 **Western Society of Naturalists Meeting**, Tacoma, WA. Oral presentation: *Evidence from museum specimens confirms historical data: 86 years of increasing parasitism for Puget Sound English sole.*
- 2017 **Ecological Society of America Annual Meeting**, Portland, OR. Oral presentation: *Human infectious disease burdens decrease with urbanization but not with biodiversity.*
- 2016 **Western Society of Naturalists Meeting**, Monterey, CA. Oral presentation: *Ghosts of oceans past: How fishing reshapes communities of fishes and their parasites.*
- 2016 **Oceans Past Platform**, University of Padova, Chioggia, Italy. Poster presentation: *A rising tide of marine disease? Unraveling the dynamics of infection in a changing ocean.*
- 2015 **Ecological Society of America Annual Meeting**, Baltimore, MD. Oral presentation: *Productivity and fishing pressure drive variability in fish parasite assemblages of the Line Islands, equatorial Pacific.*
- 2013 **Ecological Society of America Annual Meeting**, Minneapolis, MN. Oral presentation: *Fishing has variable effects on parasite abundance: Evidence from fished and unfished coral atolls of the Line Islands.*
- 2013 **Ecology and Evolution of Infectious Disease Conference**, State College, PA. Poster presentation: *Fishing drives declines in fish parasite diversity and has variable effects on parasite abundance: Evidence from fished and unfished coral atolls of the Line Islands.*
- 2012 **Ecological Society of America Annual Meeting**, Portland, OR. Oral presentation: *Epidemiological and ecological effects of fishing on parasites of fished host species.*
- 2011 **Stanford–UC Santa Cruz Species Interactions Workshop**, Stanford, CA. Oral presentation: *Epidemiological and ecological effects of fishing on parasites of fished host species.*
- 2011 **Western Society of Naturalists Meeting**, Vancouver, WA. Oral presentation: *Fishing out marine parasites? Marine reserves facilitate parasite populations among exploited host species of central Chile.*
- 2010 **American Society of Limnology and Oceanography Meeting**, Portland, OR. Oral presentation: *Fishing out marine parasites? Rates of parasitism along a fishing gradient on the central Chilean coast.*
- 2008 **Stanford–UC Santa Cruz Species Interactions Workshop**, Santa Cruz, CA. Oral presentation: *Parasites alter community structure: *Littorina littorea* and its trematode parasite in the rocky intertidal zone.*
- 2006 **Benthic Ecology Meeting**, Quebec City, QC, Canada. Oral presentation: *Can parasites alter community structure through effects on hosts? Influence of trematode parasitism on grazing in *Littorina littorea*.*
- 2006 **American Society of Limnology and Oceanography Ocean Sciences Meeting**, Honolulu, HI. Poster presentation: *Can parasites alter a community via effects on hosts? Influence of trematode parasitism on growth and grazing in *Littorina littorea*.*

MENTORING

Postdoctoral researchers supervised

Postdoc name	Project title	Funding mechanism	Start	Completion
Dakeishla Diaz Morales	Reconstructing parasite abundance in river ecosystems over the past half century	Wood funds (NSF CAREER award)	2024	2025
Julieta Martinelli	Detection and control of mud blister worm (<i>Polydora</i> spp.) infestation on commercial oyster farms throughout the Pacific Northwest	Wood funds (Western Regional Aquaculture Center, SeaDoc Society)	2019	2023
Rachel Welicky	Using compound-specific stable isotope analysis to evaluate trophic downgrading of Puget Sound fishes over the past 100 years	Washington Research Foundation Postdoctoral Fellowship	2019	2021
Whitney Preisser	A rising tide of marine disease? Unraveling the dynamics of infection in a changing ocean	Wood funds (UW Innovation Award and Sloan Research Fellowship)	2019	2021
Maureen Williams	Decomposing the effects of diversity on the abundance of marine parasites	Wood funds (NSF Biological Oceanography Program)	2019	2021
Danielle Claar	Large-scale climatic drivers of parasitism in coral reef fishes	NOAA Climate and Global Change Postdoctoral Fellowship	2019	2021
Julieta Martinelli	Detection and control of mud blister worm (<i>Polydora</i> spp.) infestation on commercial oyster farms throughout the Pacific Northwest	National Fund for Scientific and Technological Development (FONDECYT) Fellowship from the Chilean government	2017	2018
Katie Dobkowski	It's a wormy world: Meta-analysis reveals long-term change in the global abundance of parasitic anisakid nematodes in fishes and invertebrates	University of Washington Department of Biology Teaching Postdoc	2017	2018

Graduate students supervised

Supervisory role	Student name	Dissertation title	Start	Completion
Chaired doctoral degrees	Shyanne Christner	TBD	2026	In progress
	Diana Perales Macedo	TBD	2025	in progress
	Gabriella Comisso	Impacts of invasion on parasite communities of recipient ecosystems	2023	in progress
	Natalie Mastick	Long-term change in the burden of anisakid nematode parasites for marine mammal hosts	2018	2023
Chaired master's degrees	Connor Whalen	Host-parasite interactions in changing environments	2023	in progress
	Sara Faiad	Under what conditions can a novel invader (the marbled crayfish, <i>Procambarus fallax f. virginalis</i>) exert predation pressure on schistosome-competent snails?	2019	2022
	Catrin Wendt	<i>Ichthyophonus</i> in Pacific herring: Investigating a transmission hotspot	2017	2020
	Evan Fiorenza	Parasites of the past: Tracking change in marine parasite abundance over time	2017	2019

MENTORING (CONT'D)

Graduate student committee participation

Degree	Committee role	Student	University	Unit	Committee chair	Timeline	Completion
PhD	GSR	Iris Mire	University of Washington	SEFS	Van Kane and Susan Prichard	2023–2028	in progress
PhD	GSR	Dano Holt	University of Washington	SEFS	Greg Ettl	2023–2028	in progress
PhD	Member	Haleigh Yang	University of California Santa Cruz	EEB	Kristy Kroeker	2023–2028	in progress
PhD	Member	Grace Crandall	University of Washington	SAFS	Steven Roberts	2023–2028	in progress
PhD	Member	Gyrhaiss Kapepula Kasembebe	University of Hasselt (Belgium) and University of Lubumbashi (DRC)	Joint degree	Maarten Vanhove	2022–2027	in progress
PhD	Member	Kaitlyn Mitchell	Stanford University	Biology	Giulio De Leo	2020–2025	completed
PhD	Member	Yasmine Hentati	University of Washington	SEFS	Laura Prugh and Chris Schell	2019–2025	completed
PhD	Member	Julia Indivero	University of Washington	SAFS	Tim Essington	2021–2025	completed
PhD	Member	Zoe Zilz	University of California Santa Barbara	EEMB	Armand Kuris	2019–2024	completed
PhD	Member	Kimberly Yazzie	University of Washington	SAFS	Daniel Schindler	2016–2022	completed
PhD	Member	Reyn Yoshioka	University of Oregon	OIMB	Aaron Galloway	2016–2021	completed
PhD	Member	Michelle Fearon	University of Michigan	EEB	Elizabeth Tibbetts	2014–2020	completed
MS	Member	Chengyu Sun	University of Washington	Public Health	John Scott Meschke	2024–2026	completed
MS	Member	Kelly Neal	University of Washington	SAFS	Daniel Schindler	2022–2026	completed
MS	Member	Carissa Mayo	University of Washington	QERM	Michael Metzger	2023–2026	completed
MS	Member	Megan Powers	University of Washington	Biology	Billie Swalla	2020–2023	completed
MS	Member	Randi Barton	CSU Monterey Bay	Mar Sci	Alison Haupt	2020–2024	completed
MS	Member	Karl Veggerby	University of Washington	SAFS	Mark Scheuerell	2020–2023	completed
MS	Member	Corinne Klohmann	University of Washington	SAFS	Jacqueline Padilla-Gamiño	2019–2022	completed
MS	Member	Grace Crandall	University of Washington	SAFS	Steven Roberts	2018–2020	completed

External examiner

Degree	Committee role	Student	University	Unit	Committee chair	Year	Completion
PhD	External examiner	Cyril Hammoud	Ghent University, Belgium	Biology	Dirk Verschuren and Tine Huyse	2023	completed
PhD	External examiner	Katie Motson	James Cook University, Australia	CSTFA	Andrew Hoey and Kate Hutson	2021	completed
PhD	External examiner	Marin Milotic	University of Otago, New Zealand	Zoology	Stephanie Godfrey	2021	completed

Undergraduate students supervised

Student role	Dates	Student name	Topic	Student affiliation	Status
Undergrad capstone	2022–2023	Adam Nguyen	Long-term change in risk of intestinal parasitism for marine mammals	University of Washington	completed
Undergrad independent research	Summer 2022	April Bonifate	Reconstructing the ecological history of shell-boring polychaete pest in the Salish Sea to inform conservation and restoration strategies for native Olympia oysters (<i>Ostrea lurida</i>)	Washington and Jefferson College	completed
Undergrad independent research	2020–2021	Aspen Katla	Assessing long-term change in the abundance of anisakid nematodes using archived canned salmon	University of Washington	completed
Undergrad capstone	2019–2020	Ryan Fox-Horn	Diets of offshore and harbor age-zero herring (<i>Clupea pallasii</i>)	University of Washington	completed
Undergrad capstone	2019–2020	Daisey Newman	Testing the enemy release hypothesis for invasive European green crabs (<i>Carcinus maenas</i>) in the Pacific Northwest	University of Washington	completed
Undergrad capstone	2019–2020	Jess Quinn	Long-term change in the parasite burden of shore crabs (<i>Hemigrapsus oregonensis</i> and <i>H. nudus</i>) in the Pacific Northwest	University of Washington	completed
Undergrad capstone	2019–2020	Aery Yoo	Impacts of schistosomiasis infection on behavior of intermediate host snails	University of Washington	completed
Northwest Fisheries Science Center intern	2019–2020	Alanna Greene	Variation in lingcod (<i>Ophiodon elongatus</i>) parasite burden in relation to genetic breaks and exploitation history	University of Washington	completed
Visiting McNair Scholar	Summer 2019	Veronica Torres	How does sociality affect parasite burden in schooling convict tang (<i>Acanthurus triostegus</i>)?	University of California, Santa Barbara	completed
Undergrad capstone	2018–2019	Duncan Greeley	Long-term change in the parasite burden of shore crabs (<i>Hemigrapsus oregonensis</i> and <i>H. nudus</i>) in the Pacific Northwest	University of Washington	completed
Undergrad capstone	2018–2019	Hiruni Jayasekera	Impacts of schistosomiasis infection on behavior of intermediate host snails	University of Washington	completed
Undergrad capstone	2018–2019	Chyenne Lisenby	Periodicity in emission of <i>Nanophyetus salmincola</i> cercariae by <i>Juga plicifera</i> snails	University of Washington	completed
Undergrad capstone	2018–2019	Abigail Moosmiller	How have the diets of English sole (<i>Parophrys vetulus</i>) changed over the past 100 years?	University of Washington	completed
Undergrad capstone	2018–2019	Kara Skaw	Historical ecology of <i>Clavinema mariae</i> “blood worms” in high cockscomb prickleback (<i>Anoplarchus purpureus</i>) of Puget Sound	University of Washington	completed
Undergrad capstone	2018–2019	Emily Oven	Impact of habitat on parasite assemblages of herring (<i>Clupea harengus</i>) of Puget Sound	University of Washington	completed
Undergrad capstone	2017–2019	Rachel Fricke	Dams and the transmission of schistosomiasis and fascioliasis	University of Washington	completed
Undergrad independent research	2017–2019	Hyejoo Ro	Effects of trematode parasite (<i>Microphallus similis</i>) on the behavior of green crabs (<i>Carcinus maenas</i>)	University of Washington	completed
Undergrad capstone	2017–2018	Sarah Colosimo	Spatial variability in intestinal parasite load of Puget Sound harbor seals (<i>Phoca vitulina</i>)	University of Washington	completed

Undergraduate students supervised (cont'd)

Student role	Dates	Student name	Topic	Student affiliation	Status
Undergrad capstone	2017–2018	Ellie Davis	Historical ecology of <i>Clavinema mariae</i> “blood worms” in rock sole (<i>Lepidopsetta bilineata</i>) of Puget Sound	University of Washington	completed
Undergrad capstone	2017–2018	Sara Galer	The value of urban eelgrass beds as nursery habitats for juvenile rockfishes (<i>Sebastes</i> spp.) of Puget Sound	University of Washington	completed
Undergrad capstone	2017–2018	Hiromi Katagiri	Historical ecology of <i>Clavinema mariae</i> “blood worms” in blackbelly eel pout (<i>Lycodes pacificus</i>) of Puget Sound	University of Washington	completed
Undergrad capstone	2017–2018	Heather Lopes	<i>Polydora</i> spp. polychaete parasites of Pacific oysters	University of Washington	completed
Undergrad capstone	2016–2017	Ingrid Howard	Historical ecology of <i>Philometra</i> spp. nematode parasitism in Puget Sound	University of Washington	completed
Undergrad thesis	2015–2016	Margaret Summerside	Linking biodiversity and parasite transmission in freshwater ponds of California	University of Colorado	completed
Undergrad thesis	2011–2013	Ana Sofia Guerra	Ecology of <i>Numenius tahitiensis</i> on Palmyra Atoll	Stanford University	completed

Undergraduate training programs created

- 2025 **Historical Ecology of Albuquerque’s Parasites (HEAP) Research Experiences for Undergraduates (REU) internship**, a 9-week independent research experience for three undergraduates, conducted at the Museum of Southwestern Biology, University of New Mexico, Albuquerque, NM
- 2024 **Summer Pearl River (SuPeR) Parasites Research Experiences for Undergraduates (REU) internship**, a 10-week independent research experience for four undergraduates, conducted at the Tulane University Biodiversity Research Institute, New Orleans, LA
- 2022 **Research Internship in Molecular Ecology (RIME)**, a 10-week independent research experience for six undergraduates, conducted at California State University Monterey Bay, Seaside, CA

MENTORING (CONT'D)

Student grants, scholarships, and awards

- 2026 **Shyanne Christner**, NSF Graduate Research Fellowship Program Awardee (3 years of full funding)
- 2026 **Connor Whalen**, UW College of the Environment Exceptional Mentoring of Undergraduates Award
- 2026 **Gabby Commisso**, Theodore Roosevelt Memorial Grant, American Museum of Natural History (\$1,650)
- 2026 **Gabby Commisso**, Bernie Fried Student Research Grant, American Society of Parasitologists (\$1,000)
- 2025 **Gabby Commisso**, Science Foundation's What Ifs Award (\$6,000)
- 2025 **Diana Perales Macedo**, NSF Graduate Research Fellowship Program Awardee (3 years of full funding)
- 2025 **Gabby Commisso**, Honorable Mention, National Science Foundation Graduate Research Fellowship Competition
- 2024 **Gabby Commisso**, SAFS Graduate Research Grant (\$5,000)
- 2024 **Connor Whalen**, Fisheries Interdisciplinary Network of Students (FINS) Conference Travel Award (\$580)
- 2023 **Natalie Mastick**, Second Place, Pacific Fisheries Technologists Student Oral Competition (\$600)
- 2022 **Natalie Mastick**, First Place, Pacific Fisheries Technologists Student Oral Competition (\$800)
- 2022 **Natalie Mastick**, University of Washington Graduate Student Conference Presentation Award (\$500 from UW, \$500 matched by home department)
- 2022 **Natalie Mastick**, UW College of the Environment Hall Conservation Genetics Research Award (\$9,988)
- 2020 **Sara Faiad**, UW Graduate School Boeing International Fellowship (one quarter of salary, benefits, and tuition to support a three-month field expedition to Madagascar)
- 2020 **Sara Faiad**, foundry10 Research Grant (\$2,500)
- 2020 **Sara Faiad**, Women Divers Hall of Fame (WDHOF) 20 for 2020 Dive Training Grant (\$1,000)
- 2019 **Natalie Mastick**, UW Graduate School Graduate Student Conference Travel Award (\$500)
- 2019 **Natalie Mastick**, UW School of Aquatic and Fishery Sciences Student Travel Award (\$500)
- 2019 **Natalie Mastick**, UW School of Aquatic and Fishery Sciences Fisheries Interdisciplinary Network of Students (FINS) Travel Award (\$300)
- 2019 **Jess Quinn**, Undergraduate Capstone Funding Award, School of Aquatic and Fishery Sciences (\$800)
- 2019 **Natalie Mastick**, World Marine Mammal Conference (WMMC) Student Travel Grant (\$250)
- 2019 **Rachel Welicky**, NSF Workshop Travel Grant, Understanding Freshwater Ecosystem Change through Analysis of Long-term Samples from Regional U.S. Fish Collections (\$850)
- 2019 **Rachel Fricke**, Undergraduate Capstone Funding Award, School of Aquatic and Fishery Sciences (\$800)
- 2019 **Rachel Welicky**, Johan Hjort Symposium Early Career Scientist Grant, sponsored by International Council for the Exploration of the Sea, Institute of Marine Research, The Research Council of Norway, and the Institutional Commission of the History of Oceanography (\$2,400)
- 2019 **Rachel Welicky**, UW College of the Environment Student Travel Fund (\$1,000)
- 2018 **Hyejoo Ro**, UW Dean of the College of the Environment Student Meeting and Travel Award (\$108)
- 2018 **Heather Lopes**, Scholarship from the Mary Gates Endowment for Students (\$3,000)
- 2018 **Sarah Colosimo**, People's Choice Award for her oral presentation at the Northwest Student Chapter of the Society for Marine Mammalogy
- 2018 **Heather Lopes**, School of Fishery and Aquatic Sciences Travel Award (\$275)
- 2017 **Sarah Colosimo**, Research Scholarship from the Mary Gates Endowment for Students (\$5,000)
- 2017 **Rachel Fricke**, Research Scholarship from the Mary Gates Endowment for Students (\$5,000)
- 2017 **Catrin Wendt**, Top 3 Poster Award, Washington Cooperative Fish and Wildlife Research Unit Poster Session
- 2017 **Heather Lopes**, Undergraduate Capstone Funding Award, School of Aquatic and Fishery Sciences (\$850)
- 2017 **Heather Lopes**, UW Library Research Award honorable mention and UW Library Population Health Award for her paper, "Battle of the filter feeders: Bacterial transmission in the presence of ascidians"
- 2017 **Ingrid Howard**, UW Undergraduate Research Conference Travel Award (\$300)

TEACHING

University of Washington, School of Aquatic and Fisheries Sciences, Instructor

Course name	Course number	Quarter	Student evaluation scores		
			Response rate	Combined median (out of 5)	Adjusted combined median (out of 5)
Professional Development for Graduate Students	FISH 521	Winter 2026	100%	4.5	4.7
Parasite Ecology	FISH 406	Fall 2025	96%	4.8	5.0
Professional Development for Graduate Students	FISH 521	Winter 2025	75%	4.6	4.9
Parasite Ecology	FISH 406	Fall 2024	100%	4.8	5.0
Parasite Ecology	FISH 406	Fall 2023	98%	4.9	5.0
Fisheries Ecology	FISH 312	Spring 2022	96%	5.0	5.0
Historical Ecology	FISH 511	Winter 2022	100%	4.9	5.0
Parasite Ecology	FISH 406	Autumn 2021	98%	4.9	5.0
Fisheries Ecology**	FISH 312	Spring 2021	100%	4.8	4.7
Parasite Ecology**	FISH 406	Autumn 2020	97%	4.9	4.8
Fisheries Ecology*	FISH 312	Spring 2020	88%	4.8	4.6
Fisheries Ecology	FISH 312	Spring 2019	81%	4.9	4.8
Historical Ecology	FISH 511	Winter 2019	100%	5.0	5.0
Parasite Ecology	FISH 406	Autumn 2018	100%	5.0	5.0
Biology of Shellfishes	FISH 310	Spring 2018	91%	4.7	4.8
Parasite Ecology	FISH 406	Autumn 2017	100%	4.9	4.9
Hot Topics in Aquatic and Fishery Sciences	FISH 522	Autumn 2017	76%	4.5	4.8
Biology of Shellfishes	FISH 310	Winter 2017	93%	4.8	4.7

*Note that the Spring 2020 academic quarter was impacted by COVID-19, which necessitated a last-minute switch to online teaching.

**Note that the Autumn 2020 and Spring 2021 academic quarters were taught primarily online, as necessitated by COVID-19.

Teaching awards

- 2018 UW Distinguished Teaching Award
- 2018 UW College of the Environment Exceptional Mentoring of Undergraduates Award
- 2015 Outstanding Research Mentor Award, UROP, University of Michigan
- 2009 Stanford Biology Excellence in Teaching Award

Recent guest lectures

- 2026 Current Issues of Occupational Health at the Human Animal Interface/One Health (ENV H 586), University of Washington
- 2021 Stories in Marine Biology Seminar Series (MARBIO 301), University of Washington
- 2021 Research Proposal Writing for Graduate Students (FISH 521), University of Washington
- 2021 Transdisciplinary Perspectives on Freshwater Sustainability (FISH 513), University of Washington
- 2020 Hot Topics in Aquatic and Fishery Sciences (FISH 522), University of Washington

PROFESSIONAL OFFICES AND PROFESSIONAL SOCIETY SERVICE

Professional offices

International Union for the Conservation of Nature (IUCN) Species Survival Commission, Parasite Specialist Group Steering Committee Member for North America	Gland, Switzerland Jun 2023–present
UW Center for Quantitative Science Faculty, Quantitative Ecology and Resource Management (QERM) program	Seattle, WA April 2021–present
UW eScience Institute Affiliate	Seattle, WA June 2021–present
<i>Proceedings of the Royal Society of London B: Biological Sciences</i> Associate Editor	London, UK Jun 2018–present
<i>Ecology</i> Subject Matter Editor	Washington, DC Feb 2021–present
<i>Journal of Animal Ecology</i> Associate Editor	London, UK Jan 2021–present
<i>Climate Change Ecology</i> Associate Editor	Cambridge, MA Oct 2020–present
<i>International Journal for Parasitology: Parasites and Wildlife</i> Editorial Board Member	Smithfield, Australia Jun 2019–present
UW Quaternary Research Center (QRC) Member	Seattle, WA Aug 2020–present
Disease Working Group, Puget Sound Ecosystem Monitoring Program Charter Member	Seattle, WA Sep 2016–present
UW Future Rivers NSF Research Traineeship (NRT) Executive Committee Member	Seattle, WA Oct 2019–Aug 2025
SESYNC Working Group: How does a historical perspective inform ecosystem management targets, goals, and outcomes? Working Group Member	Annapolis, MD May 2020–May 2025
<i>Ecological Monographs</i> Subject Matter Editor	Washington, DC Feb 2021–Oct 2023
NCEAS Future of Synthesis Workshop 2020, an NSF-funded working group that will envision the future of synthesis in the field of ecology Member of the Steering Committee and Working Group Member	Santa Barbara, CA Sep 2019–Feb 2021
NCEAS Science for Nature & People Partnership (SNAPP) Working Group, "Ecological levers for health" Working Group Member	Santa Barbara, CA May 2017–Dec 2019
NCEAS/Mozilla Openscapes Champions Program for open practices in environmental science (www.openscapes.org) Member of the inaugural Openscapes Champions cohort	Santa Barbara, CA Jan 2019–Jun 2019
Student Awards Committee, American Society of Parasitologists Committee Member	New York, NY Jul 2015–Jun 2017

UNIVERSITY OF WASHINGTON COMMITTEES, DUTIES, AND SERVICE

Departmental service

- Associate Director, SAFS, Jul 2023–present
- Graduate Program Coordinator, SAFS, Jul 2023–present
- Chair, SAFS Recruitment, Admissions, and Scholarship Committee, Jul 2023–present
- Ex-officio Member, SAFS School Council, Jul 2023–present
- Ex-officio Member, SAFS Equity and Inclusion Committee, Jul 2023–present
- Member, Search Committee, Assistant Professor of Freshwater Ecology, SAFS, Sep 2024–Mar 2025
- Chair, SAFS School Council, Sep 2021–Jun 2022
- Elected member, SAFS School Council, Sep 2017–Jun 2022
- George and Peggy Hunt Fisheries Oceanography Seminar Committee, Jan 2020–Jun 2022
- Organizer, SAFS Mentoring Bootcamp, a four-day professional development retreat for SAFS faculty, Mar 2021–Jun 2022
- SAFS Fall 2020 Seminar Committee, May 2020–Dec 2020
- SAFS Fall 2019 Seminar Committee, May 2019–Dec 2019
- SAFS 100th Anniversary Planning Committee, Organismal Biology Section, May 2018–Apr 2019
- SAFS Recruitment, Admissions, and Scholarship Committee, Sep 2016–Aug 2017

College and university service

- Co-chair of the Mentoring and Advising Work Group, University of Washington Graduate School PhD Taskforce, Apr 2025–present
- Center for One Health Research Visioning Committee, Jun 2020–present
- College of the Environment Scholarship and Funding Committee, Apr 2020–present
- Executive Committee Member, UW Future Rivers NSF Research Traineeship (NRT), Oct 2019–Aug 2025
- College of the Environment Dean's Leadership Fellow, Sep 2024–Jun 2025
- College of the Environment Awards Review Committee, Mar 2019
- University of Washington Faculty 2050 Working Group, Jan 2018
- College of the Environment GO-MAP and GO-RA Diversity Scholarship Committee, Jan 2017

Media coverage by major news sources

- 2024 **Grist:** Nature can't run without parasites. What happens when they start to disappear?*
- *Nominated for a regional Emmy Award*
- <https://grist.org/video/parasite-climate-change-ecosystem-health-science/>
- 2024 **Discover:** The problem with parasites.
- <https://www.discovermagazine.com/health/the-problem-with-parasites>
- 2024 **Scientific American:** Decades-old cans of salmon reveal changes in ocean health.
- <https://www.scientificamerican.com/article/decades-old-cans-of-salmon-reveal-changes-in-ocean-health/>
- 2024 **Science:** Parasites in these 200 old cans of salmon may spell good news for marine food webs.
- <https://www.science.org/content/article/parasites-these-200-old-cans-salmon-may-spell-good-news-marine-food-webs>
- 2023 **NPR's On Point:** Why losing parasites could have devastating effects on our ecosystem.
- <https://www.wbur.org/onpoint/2023/03/13/save-the-parasites-healthy-ecosystem>
- 2023 **The New York Times:** You may miss these parasites when they're gone.
- <https://www.nytimes.com/2023/01/09/science/parasites-global-warming.html>
- 2022 **National Geographic Magazine:** Parasites are going extinct. Here's why we need to save them.
- <https://www.nationalgeographic.com/science/article/parasites-are-going-extinct-heres-why-we-need-to-save-them>
- 2021 **Scientific American:** The scientists fighting for parasite conservation.
- <https://www.scientificamerican.com/article/the-scientists-fighting-for-parasite-conservation/>
- 2020 **The Scientist:** Scientist to Watch: Chelsea Wood tracks parasites around the world. <https://www.the-scientist.com/scientist-to-watch/chelsea-wood-tracks-parasites-around-the-world-68060>
- 2017 **The Atlantic:** The hidden dispute over biodiversity's health benefits.
- https://www.theatlantic.com/science/archive/2017/10/dilution-effect-biodiversity-debate/544367/?utm_source=twb

UNIVERSITY OF WASHINGTON COMMITTEES, DUTIES, AND SERVICE (CONT'D)

Presentations for nonprofessional audiences

- 2024 **Seattle Aquarium**. Seattle, WA. Book talk: *Power to the Parasites!*
- 2024 **Third Place Books**. Seattle, WA. Book talk: *Power to the Parasites!*
- 2022 **The Decibel, a Globe and Mail podcast**. Podcast in which Wood is interviewed: *Why we need parasites*. <https://www.theglobeandmail.com/podcasts/the-decibel/article-why-we-need-parasites/>
- 2021 **Bill Nye's Science Rules podcast**. Podcast in which Wood is interviewed: *It's a parasite's world. We just live in it*. <https://podcasts.apple.com/us/podcast/its-a-parasites-world-we-just-live-in-it/id1460716677?i=1000506834478>
- 2020 **NPR's Short Wave podcast**. Podcast in which Wood is interviewed: *Save the parasites*. <https://www.npr.org/2020/08/13/902302094/save-the-parasites>
- 2019 **UW News**, Seattle, WA. Video with interview and narration by Wood: *Drone photos help predict tropical disease infections*. <https://www.youtube.com/watch?v=uoWQDA1Syok>
- 2019 **California Academy of Sciences bioGraphic**, San Francisco, CA. Video containing interview with Wood: *Protected by prawns: Restoring native crustaceans along West Africa's Senegal River may be a critical step in controlling one of the world's deadliest tropical diseases*. www.biographic.com/protected-by-prawns
- 2019 **Northwest Science**, Seattle, WA. Video with interview and narration by Wood, designed as a pilot for a web series about women scientists by the production company Northwest Science: *Chelsea Wood, PhD, Parasite Ecologist*. <https://www.youtube.com/watch?v=tU8zUktdnK4&t=10s>
- 2017 **Seattle Aquarium Science & Cocktails event**, Seattle, WA. Lightning talk: *How to enjoy sushi without getting infested by parasites*. https://www.youtube.com/watch?list=PLAwvRGotm5euvtKI7WCxa6rzfEo_4Au0O&time_continue=7&v=aXFtTExxe_w&feature=emb_logo

EXPERT TESTIMONY AND ADVICE

- 2025–2026 Consultant in Valencia v. Rusty Pelican Café Edmonds, Inc. (Case No. 24-2-02297-31), Superior Court of Washington for Snohomish County

SCIENCE NEWS WRITING

- Wood CL. 2014. Adieu to an invasive flatworm? *Front Ecol Environ* **12**(4): 206.
- Wood CL. 2012. Parasites aren't all in the family for primates. *Front Ecol Environ* **10**(7): 402.
- Wood CL. 2011. Infectious disease: from wetland to farm and back? *Front Ecol Environ* **9**(4): 204.
- Wood CL. 2011. Plight of the living dead. *Front Ecol Environ* **9**(3): 146.
- Wood CL. 2009. Chilean salmon farms face deadly virus. *Front Ecol Environ* **7**(9): 460.
- Wood CL. 2009. Do you want fries with that? *Front Ecol Environ* **7**(5): 234.
- Wood CL and Ferguson K. 2008. Editorial: Beyond the Frontier. *Front Ecol Environ* **6**(5): 171.
- Wood CL. 2007. Commercial ocean-fertilization trial moves forward. *Front Ecol Environ* **5**(6): 291.
- Wood CL. 2007. New to science, but not to consumers. *Front Ecol Environ* **5**(3): 118.

PEER REVIEW

The American Naturalist • *Aquaculture Environment Interactions* • *Aquatic Conservation: Marine and Freshwater Ecosystems* • *Biotropica* • *Bulletin of Environmental Contamination and Toxicology* • *Bulletin of Marine Science* • *Conservation Biology* • *Current Biology* • *Czech Science Foundation* • *Ecology* • *Ecology Letters* • *EcoHealth* • *Ecological Applications* • *Ecosphere* • Elsevier Book Publishing Services • *Environmental Health Perspectives* • *Estuarine, Coastal, and Shelf Science* • *Fisheries Research* • *Food Webs* • *Frontiers in Biogeography* • *Frontiers in Ecology and the Environment* • German National Science Foundation • *Global Change Biology* • *Global Ecology and Biogeography* • Graduate Women in Science Fellowship Program • *Hydrobiologia* • *International Journal for Parasitology* • Italian Antarctic Research Programme (PNRA) • *Journal of Animal Ecology* • *Journal of Helminthology* • *Journal of the Marine Biological Association of the United Kingdom* • *Lancet Global Health* • *Marine Ecology Progress Series* • National Commission for Scientific and Technological Development (CONICYT) and the Superior Council of the National Fund for Scientific & Technological Development (FONDECYT) of the Government of Chile • National Science Center of Poland • *Nature Communications* • National Environment Research Council (NERC), UK Research and Innovation (UKRI) • NOAA Research Publication Technical Review • North Pacific Research Board • *Northwest Science* • *Pacific Science* • *Parasites and Vectors* • *Parasitology* • *Perspectives in Ecology and Conservation* • *Philosophical Transactions of the Royal Society B: Biological Sciences* • *PLoS Neglected Tropical Diseases* • *PLoS One* • *Proceedings of the National Academy of Sciences of the USA* • *Proceedings of the Royal Society of London B: Biological Sciences* • Science and SciLifeLab Prize for Young Scientists, AAAS • *Science Advances* • *Scientific Reports* • Smithsonian Environmental Research Center • Springer Book Publishing Services • Swiss National Science Foundation • *Trends in Ecology and Evolution* • US National Science Foundation • Wallenberg Academy Fellows, Royal Swedish Academy of Sciences

PROFESSIONAL SOCIETY MEMBERSHIPS

- Ecological Society of America (ESA; since 2008)
- American Society of Parasitologists (ASP; since 2012)
- American Society of Limnology and Oceanography (ASLO; since 2016)
- National Association of Science Writers (NASW; since 2007)
- Sigma Xi Scientific Research Society (since 2006)

SPECIALIZED SKILLS

- PADI Rescue Diver Certification (2008)
- NAUI Advanced Scuba Diver Certification (2007)
- American Academy of Underwater Scientists (AAUS) Scientific Diver Certification (2005)
- NAUI Scuba Diver Certification (2000)