
CURRICULUM VITAE
CHELSEA L. WOOD

Assistant Professor, School of Aquatic and Fishery Sciences
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EMPLOYMENT

School of Aquatic and Fishery Sciences, University of Washington <i>Assistant Professor</i>	Seattle, WA 2016 – present
Michigan Society of Fellows, University of Michigan <i>Fellow, Department of Ecology and Evolutionary Biology</i>	Ann Arbor, MI 2014–2016
Department of Ecology and Evolutionary Biology, University of Colorado <i>Postdoctoral Researcher, Laboratory of Pieter Johnson</i>	Boulder, CO 2013–2014
Department of Biology, Stanford University <i>Ph.D. Candidate, Laboratory of Fiorenza Micheli</i>	Pacific Grove, CA 2008–2013
Frontiers in Ecology and the Environment, Ecological Society of America <i>Assistant Editor</i>	Washington, DC 2006–2008

EDUCATION

Stanford University, Ph.D., Ecology, Evolution, and Population Biology <ul style="list-style-type: none">National Science Foundation Graduate Research FellowshipAlyce B. and Henry J. Ramey, Jr. Stanford Graduate Fellowship	Stanford, CA 2008–2013
Dartmouth College, A.B., Ecology and Evolutionary Biology <ul style="list-style-type: none"><i>Summa cum laude</i>, Phi Beta Kappa, High Honors in the major	Hanover, NH 2002–2006

RESEARCH INTERESTS

Ecology of parasites and pathogens, effects of environmental change on disease transmission, marine and freshwater biology, schistosomiasis and other zoonoses, spatial ecology, biodiversity, conservation biology

PUBLICATIONS

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

Published and in press:

33. **Wood CL**, Summerside M*, and Johnson PTJ. 2019. An effective method for ecosystem-scale manipulation of bird abundance and diversity. *Ecology and Evolution*. doi.org/10.1002/ece3.5509.
32. 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.
31. Lopes HM*, Martinelli JC†, Hauser L, Jimenez-Hidalgo I, King TL, Padilla-Gamiño JL, Rawson P, Spencer LH**, Williams J, and **Wood CL**. 2019. Confirmation of the shell-boring oyster parasite *Polydora websteri* (Polychaeta: Spionidae) in Washington State, USA. *PeerJ Preprints* **7**: e27621v1. <https://doi.org/10.7287/peerj.preprints.27621v1>.

PUBLICATIONS (CONT'D)

Published and in press (cont'd):

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.
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.
12. **Wood CL** and Lafferty KD. 2015. How have fisheries affected parasite communities? *Parasitology* **142**:134-44.

PUBLICATIONS (CONT'D)

Published and in press (cont'd):

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:

- Behringer DC, Wood CL, Krkosek M, and Bushek D. In press. Disease in fisheries and aquaculture. In press. In: *Marine Disease Ecology* (Behringer DC, Silliman BR, and Lafferty KD, Eds). Oxford University Press.
- 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.
- 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.

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.

Outreach materials:

- 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:

- McLaughlin JP, Jaramillo AG, Shaw JC, **Wood CL**, Vidal-Martinez VM, Aguirre-Macedo ML, James AK, Caselle JE, Friedlander AM, Brant SV, Hechinger RF, Kuris AM, and Lafferty KD. Body size, density, biomass, and life stages of all organisms, including infectious agents from the intertidal sand flats at Palmyra Atoll, Northern Line Islands.
- Sokolow SH, Jones IJ, **Wood CL**, Lafferty KD, Barry M, Garchitorena A, Bonds M, and DeLeo G. The unrecognized global burden of environmentally transmitted disease: A call for creative solutions.
- 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. Identifying win–wins for people and nature.
- 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. Precision mapping of snail habitat provides a powerful indicator of human schistosomiasis transmission.
- Spencer LH^{**}, Martinelli JC[†], King TL, Crim R, Blake B, Lopes HM^{*}, and **Wood CL**. Minimizing the impacts of a cryptogenic aquaculture pest: Protecting shellfish aquaculture from shell-boring polychaetes.
- 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. Aquatic macrophytes and macroinvertebrate predators affect densities of schistosome cercariae, the parasitic life stage causing human schistosomiasis.
- Rohr JR, Civitello DJ, Halliday FW, Hudson PJ, Lafferty KD, **Wood CL**, and Mordecai EA. Toward common ground in the biodiversity–disease debate.
- Wood CL**, Summerside M^{*}, and Johnson PTJ. How host diversity and abundance affect parasite infections: Results from a whole-ecosystem manipulation of bird activity.
- Stewart Lowndes JS, Froehlich HE, Horst A, Jayasundara N, Pinsky ML, Stier AC, Therkildsen NO, and **Wood CL**. Improving science from the inside out with open data science and teamwork.
- Claar DC, Kuris A, Leslie KL, Welicky RL, Williams M, **Wood CL**. Parasite biodiversity: A peer-reviewed, open-access module for teaching and learning. Produced in collaboration with the American Museum of Natural History's Network of Conservation Educators and Practitioners.

GRANTS, CONTRACTS, AND FELLOWSHIPS

- 2019 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” (\$3M to UW, PI and Director of Future Rivers NRT = Gordon Holtgrieve, co-PIs and co-Directors = Chelsea Wood, Magdalena Balazinska, David Butman, and Faisal Hossain)
- 2019 Washington Research Foundation Postdoctoral Fellowship to Rachel Welicky (\$270,353)
- 2019 Western Regional Aquaculture Center (USDA, NIFA), “Detection and control of mud blister worm (*Polydora* spp.) infestation on commercial oyster farms throughout the Pacific Northwest” (\$359,065)
- 2018 National Science Foundation, Division of Geosciences, Biological Oceanography Program, OCE-1829509, “Collaborative Research: Decomposing the effects of diversity on the abundance of marine parasites” (total = \$1M, UW = \$606,634)
- 2018 Contract with Oceans Initiative, “Assessing fitness effects of parasitism for southern resident killer whales” (\$64,112)
- 2018 Sloan Research Fellowship, Alfred P. Sloan Foundation (\$65,000)
- 2018 UW Innovation Award, “A rising tide of marine disease? Unraveling the dynamics of infection in a changing ocean” (\$297,067)
- 2018 Washington Sea Grant, Program Development Project, “Uniting ecology and epidemiology to address anisakiasis risk from seafood consumption” (\$24,589)
- 2017 Contract with USGS, “Transmission dynamics of *Ichthyophonus* in Pacific herring” (\$206,706)
- 2017 University of Washington Royalty Research Fund (\$34,779)
- 2013 EcoHealth Alliance Fellowship, International Centre for Diarrhoeal Disease Research, Bangladesh (\$5,500)
- 2012 Vice Provost for Undergraduate Education Field Studies Program, Stanford University (\$8,250)
- 2011 Explorers Club Grant (\$3,000)
- 2011 Phi Beta Kappa Northern California Association Fellowship (\$5,000)
- 2011 Vice Provost for Undergraduate Education Field Studies Program, Stanford University (\$16,250)
- 2010 National Geographic Society Young Explorers Grant (\$5,000)
- 2010 Vice Provost for Undergraduate Education Field Studies Program, Stanford University (\$6,600)
- 2009 Women Divers Hall of Fame Hillary Vidars, Ph.D. Scholarship in Marine Conservation (\$2,500)
- 2009 Palmyra Atoll Research Consortium Beginning Scientist Exchange Program Award (\$2,000)
- 2009 Houston Conchology Society Constance Boone Grant (\$1,000)
- 2009 Stanford Department of Biology/Vice Provost for Graduate Education SCORE Grant (\$3,000)
- 2009 Dr. Earl H. Myers and Ethel M. Myers Oceanographic and Marine Biology Trust Grant (\$1,750)

HONORS

- 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
- 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

INVITED PRESENTATIONS

- 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 **University of Toronto, Department of Ecology and Evolutionary Biology, Atwood Colloquium, Rising Star in Ecology Lecture**, Toronto, Canada. Seminar: *Ghosts of oceans past: How fishing reshapes communities of fishes and their parasites.*
- 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. Oral presentation: *Human impacts decouple a fundamental ecological relationship – the positive association between host diversity and parasite diversity.*
- 2018 **University of Puget Sound Phi Sigma Biological Honors Society Undergraduate Research Symposium**, Tacoma, WA. Keynote address: *People, nature, and disease: Adventures in parasite ecology.*
- 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.*

INVITED PRESENTATIONS (CONT'D)

- 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.*
- 2014 **Wildlife Disease Association Student Chapter**, Colorado State University, Fort Collins, CO. Panel discussion: *Fisheries health and disease.*
- 2012 **Ecology and Evolution of Infectious Disease Conference**, Ann Arbor, MI. Seminar: *How does fishing affect the parasites of fished species?*
- 2011 **Fulbright Visiting Scholar Conference**, Monterey, CA. Seminar: *People, oceans, and disease.*
- 2011 **American Fisheries Society Annual Meeting**, Seattle, WA. Seminar: *Fishing out marine parasites? Impacts of fishing on the abundance and diversity of fish parasites.*
- 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.*

CONTRIBUTED PRESENTATIONS

- 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: Historical Ecology of Semi-enclosed Basins, 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.*

MENTORING

Supervisory role (* = current)	Dates	Student name	Student affiliation
Postdoctoral scholar*	2019–present	Danielle Claar	University of Washington, NOAA Climate and Global Change Postdoctoral Fellowship
Postdoctoral scholar*	2017–present	Julieta Martinelli	University of Washington
Postdoctoral scholar*	2019–present	Whitney Preisser	University of Washington
Postdoctoral scholar*	2019–present	Rachel Welicky	University of Washington, Washington Research Foundation Postdoctoral Fellow
Postdoctoral scholar*	2019–present	Maureen Williams	University of Washington
Postdoctoral scholar	2017–2018	Katie Dobkowski	University of Washington
PhD student*	2018–present	Natalie Mastick	University of Washington
PhD student*	2019–present	Sara Faiad	University of Washington
MS student*	2017–present	Catrin Wendt	University of Washington
MS student (MS awarded 2019)	2017–2019	Evan Fiorenza	University of Washington
MS independent study	2016–2018	Alaina Harmon	University of Washington
PhD dissertation committee*	2018–present	Kimberly Yazzie	University of Washington
PhD dissertation committee*	2017–present	Reyn Yoshioka	University of Oregon
PhD dissertation committee*	2016–present	Michelle Fearon	University of Michigan
PhD first-year committee	2015–2016	Trevor Hewitt	University of Michigan
Undergrad capstone*	2019–present	Ryan Fox-Horn	University of Washington
Undergrad capstone*	2019–present	Daisey Newman	University of Washington
Undergrad capstone*	2019–present	Jess Quinn	University of Washington
Undergrad capstone*	2019–present	Aery Yoo	University of Washington
Undergrad capstone	2017–2019	Rachel Fricke	University of Washington
Undergrad capstone	2018–2019	Duncan Greeley	University of Washington
Undergrad capstone	2018–2019	Hiruni Jayasekera	University of Washington
Undergrad capstone	2018–2019	Chyenne Lisenby	University of Washington
Undergrad capstone	2018–2019	Abigail Moosmiller	University of Washington
Undergrad capstone	2018–2019	Kara Skaw	University of Washington
Undergrad capstone	2018–2019	Emily Oven	University of Washington
Undergrad capstone	2017–2018	Sarah Colosimo	University of Washington
Undergrad capstone	2017–2018	Ellie Davis	University of Washington
Undergrad capstone	2017–2018	Sara Galer	University of Washington
Undergrad capstone	2017–2018	Hiromi Katagiri	University of Washington
Undergrad capstone	2017–2018	Heather Lopes	University of Washington
Undergrad capstone	2016–2017	Ingrid Howard	University of Washington
Undergrad honors thesis	2015–2016	Margaret Summerside	University of Colorado
Undergrad honors thesis	2011–2013	Ana Sofia Guerra	Stanford University
Visiting McNair Scholar*	Summer 2019	Veronica Torres	University of California, Santa Barbara
Undergrad independent research*	2017–present	Hyejoo Ro	University of Washington
Undergrad independent research	2015–2016	Morgan Rondinelli	University of Michigan
Undergrad independent research	2015–2016	Alexis Wait	University of Michigan
Undergrad independent research	2014–2016	Cassandra Coulter	University of Michigan
Undergrad independent research	2011–2012	Sabina Perkins	Stanford University
Undergrad independent research	2011–2012	Aaron Peterson	Stanford University
Undergrad independent research	2010–2013	Amanda Zerbe	Stanford University
Northwest Fisheries Science Center intern*	2019–present	Alanna Greene	University of Washington

MENTORING (CONT'D)

Student grants, scholarships, and awards

- 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)
- 2015 **Hannah Maier**, Biosphere 2 Research Experiences for Undergraduates Program, University of Arizona
- 2014 **Ana Sofia Guerra**, North American Rolex Scholar of the Our World Underwater Scholarship Society

MENTORING (CONT'D)

Student presentations at regional, national, and international meetings

- 2019 **Rachel Welicky**, Joint Meeting of Ichthyologists and Herpetologists, Snowbird, UT. *Oral presentation: Natural history collections as time capsules: Assessing a century of change in disease burden and trophic level of marine fishes.*
- 2019 **Rachel Welicky**, ICES Johan Hjort Symposium, Bergen, Norway. *Oral presentation: Is marine disease of fishes on the rise? Using natural history collections to quantify change in fish-parasite infection over a century-long timescale.*
- 2018 **Sarah Colosimo**, Western Society of Naturalists Annual Meeting, Tacoma, WA. *Oral presentation: Abundance and diversity of gastrointestinal helminth parasites in harbor seals (*Phoca vitulina richardii*) of South Puget Sound.*
- 2018 **Evan Fiorenza**, Western Society of Naturalists Annual Meeting, Tacoma, WA. *Oral presentation: It's a wormy world: Meta-analysis reveals long-term change in the abundance of anisakid nematode parasites of marine fishes.*
- 2018 **Catrin Wendt**, Western Society of Naturalists Annual Meeting, Tacoma, WA. *Oral presentation: Ecological patterns of *Ichthyophonus* sp. infection in age-zero Pacific herring.*
- 2018 **Heather Lopes**, Pacific Coast Shellfish Growers Association Conference, Blaine, WA. *Oral presentation: Presence and prevalence of shell-boring mudworms (*Polychaeta: Spionidae*) in Washington State.*
- 2018 **Sarah Colosimo**, Annual Meeting of the Northwest Student Chapter of the Society for Marine Mammalogy. *Oral presentation: Assessment of the intestinal parasite burden of harbor seals (*Phoca vitulina richardsi*) in South Puget Sound.*
- 2018 **Heather Lopes**, Annual Meeting of the National Shellfisheries Association, Seattle, WA. *Poster presentation: Morphological and molecular identification of shell-boring mudworms (*Polychaeta: Spionidae*) in Washington State.*
- 2018 **Heather Lopes**, Washington Sea Grant Conference for Shellfish Growers, Shelton, WA. *Oral presentation: Presence and prevalence of shell-boring mudworm *Polydora* spp. (*Polychaeta: Spinoidae*) in Washington State.*
- 2017 **Ingrid Howard**, Annual Meeting of the Ecological Society of America, Portland, OR. *Poster presentation: Floundering in Puget Sound: A historical ecology of *Philometra* in English sole.*

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)
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

Teaching awards

- 2018 University of Washington Distinguished Teaching Award
- 2018 University of Washington 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

Guest Lectures

- 2018 **Biodiversity and disease**, Hot Topics in Aquatic and Fishery Sciences (FISH 522), University of Washington
- 2018 **Ghosts of oceans past**, Diseases of Aquatic Animals (FISH 404), University of Washington
- 2017 **Biodiversity and disease**, Topics in Advanced Ecology (BIOL 567A), University of Washington
- 2016 **Marine parasites**, Marine Biology (BIO 345), California State University Monterey Bay
- 2015 **Community epidemiology**, Ecology and Evolution of Infectious Diseases (EEB 315), UM
- 2015 **Gender in academia**, Undergraduate Research Opportunities Program, University of Michigan
- 2013 **Winners and losers among parasites in a changing world**, One Health (PBHL 692), Colorado School of Public Health, Colorado State University Fort Collins
- 2013 **Cryptic effects of fishing on marine biodiversity**, Stanford at Sea (Bio 182H), Stanford University
- 2013 **Parasite ecology**, lecture and laboratory section for Invertebrate Zoology (Bio 161H), Stanford
- 2012 **Parasite ecology**, lecture and laboratory section for Invertebrate Zoology (Bio 161H), Stanford
- 2011 **Cryptic effects of fishing on marine biodiversity**, Stanford at Sea (Bio 182H), Stanford
- 2011 **Parasite ecology**, lecture and laboratory section for Invertebrate Zoology (Bio 161H), Stanford
- 2011 **Intro to statistics and the scientific method**, Stanford at Sea (Bio 182H), Stanford
- 2011 **Biodiversity and ecosystem function**, Stanford at Sea (Bio 182H), Stanford

SYNERGISTIC ACTIVITIES

Proceedings of the Royal Society of London B: Biological Sciences
Associate Editor

London, UK
June 2018–present

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–present

SAFS 100th-Anniversary Planning Committee, Organismal Biology Section
Committee Member

Seattle, WA
May 2018–present

SAFS School Council
Committee Member

Seattle, WA
Sep 2017–present

SYNERGISTIC ACTIVITIES (CONT'D)

NCEAS Science for Nature & People Partnership (SNAPP) Working Group, “Environmental levers for health: Advancing an agenda for planetary health in the 21st century” <i>Workshop Participant</i>	Santa Barbara, CA <i>May 2017–present</i>
Disease Working Group, Puget Sound Environment Monitoring Program <i>Charter Member</i>	Seattle, WA <i>Sep 2016–present</i>
Student Awards Committee, American Society of Parasitologists <i>Committee Member</i>	New York, NY <i>Jul 2015–present</i>
University of Washington College of the Environment Awards Review Committee <i>Committee Member</i>	Seattle, WA <i>Mar 2019</i>
UW SeaDawgs Marine Biology Club <i>Hosted an open lab event for high school students</i>	Seattle, WA <i>Jan 2019</i>
National Academy of Sciences, US–Egypt Science and Technology Fund <i>Member of the Proposal Review Panel</i>	Washington, DC <i>Jun 2018</i>
UW Faculty 2050 Working Group <i>Committee Member</i>	Seattle, WA <i>Jan 2018</i>
Science and SciLifeLab Prize for Young Scientists, 2018 Scientific Symposium, Award Ceremony, and Banquet <i>Invited Participant</i>	Stockholm, Sweden <i>Dec 2017</i>
Seattle Aquarium Science & Cocktails event <i>Lightning Talk Presenter</i>	Seattle, WA <i>Nov 2017</i>
Recruitment, Admissions, and Scholarship Committee, SAFS <i>Committee Member</i>	Seattle, WA <i>Sep 2016–Aug 2017</i>
Workshop on Funding and Academic Careers, UW Office of Postdoctoral Affairs <i>Panelist</i>	Seattle, WA <i>Apr 2017</i>
Special issue of <i>Philosophical Transactions of the Royal Society B</i>, “Biodiversity, conservation, and infectious disease: Scientific evidence and policy implications” <i>Guest Editor</i>	London, UK <i>Dec 2015–April 2017</i>
GO-MAP and GO-RA Diversity Scholarship Committee, UW College of the Environment <i>Committee Member</i>	Seattle, WA <i>Jan 2017</i>
Spatial Data Science for Professionals Bootcamp, UC Berkeley <i>Workshop Participant</i>	Berkeley, CA <i>Mar 2016</i>
Catalysis Meeting: Biodiversity, Conservation, and Infectious Disease, Hosted by the Triangle Center for Evolutionary Medicine <i>Workshop Participant</i>	Durham, NC <i>May 2015</i>
Early Career Scientists Symposium Committee, University of Michigan EEB <i>Committee Member</i>	Ann Arbor, MI <i>Oct 2014 – Mar 2015</i>
Stanford Journal of Law, Science, and Policy <i>Associate Editor</i>	Stanford, CA <i>Sep 2010 – April 2013</i>

MEMBERSHIP

American Society of Parasitologists • Ecological Society of America • National Association of Science Writers • Sigma Xi Scientific Research Society • Western Society of Naturalists

PEER REVIEW

The American Naturalist • *Aquaculture Environment Interactions* • *Biotropica* • *Bulletin of Marine Science* • Czech Science Foundation • *Ecology* • *Ecology Letters* • *EcoHealth* • *Ecological Applications* • *Ecosphere* • *Environmental Health Perspectives* • *Estuarine, Coastal, and Shelf Science* • *Fisheries Research* • *Frontiers in Biogeography* • *Frontiers in Ecology and the Environment* • *Global Change Biology* • *Global Ecology and Biogeography* • *Hydrobiologia* • Italian Antarctic Research Programme (PNRA) • James Cook University, ARC Centre of Excellence for Coral Reef Studies, PhD Confirmation of Candidature review • *Journal of Animal Ecology* • *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* • *Nature Scientific Reports* • *Northwest Science* • *Parasitology* • *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* • Swiss National Science Foundation • *Trends in Ecology and Evolution* • US National Science Foundation

SCIENCE 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.

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)