

CURRICULUM VITAE

Katie Dobkowski

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Research Interests

Marine ecology with emphasis on climate change and the effects of biotic and abiotic factors on species distribution and abundance, physiology, trophic interactions, material properties, and functional morphology

Education

2017 PhD – Biology, University of Washington
2006 MA – Teaching, Secondary, Whitworth University
2004 BS – Botany, with minor in Anthropology, University of Washington

Postdoctoral Research Experience

2017 (Autumn) Postdoctoral researcher in the lab of Dr. Chelsea Wood, University of Washington
School of Aquatic and Fisheries Sciences – meta-analysis of Anisakid parasites

Publications (* indicates undergraduate coauthor)

Dobkowski, K.A., Crofts S.B. 2021. Scaling and structural properties of juvenile bull kelp (*Nereocystis luetkeana*). Integrative Organismal Biology <https://doi.org/10.1093/iob/obab022>

Fiorenza, E.A., Wendt, C.A., **Dobkowski, K.A.**, King, T., Pappaionou, M., Rabinowitz, P., Samhouri, J.F., Wood, C.L. 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(5): 2854-2866; DOI 10.1111/gcb.15048

Dethier, M.N., **Dobkowski, K.A.**, Noreen, A.*, Yun, M.*, Moosmiller, A.* 2019. Vulnerability of juvenile clams to predation by shore crabs. *Aquaculture* 506: 350-354

Dobkowski, K.A., Flanagan, K.D.*, and Nordstrom, J.R. 2018. Factors influencing recruitment and appearance of bull kelp, *Nereocystis luetkeana* (Phylum Ochrophyta). *Journal of Phycology* 55(1): 236-244; DOI 10.1111/jpy.12814

Dobkowski, K.A., Kobelt, J., Brentin S.*, Van Alstyne K.L., Dethier, M.N. 2017. Picky *Pugettia*: a tale of two kelps. *Marine Biology* 164: 210; DOI 10.1007/s00227-017-3244-4

Dobkowski, K.A. 2017. The role of kelp crabs as consumers in bull kelp forests—evidence from laboratory feeding trials and field enclosures. *PeerJ* 5:e3372; DOI 10.7717/peerj.3372

Selected Teaching Experience

- Environmental Science – Visiting Associate Professor – Woodbury University, Burbank, CA (Fall 2022 – Present)
- Marine Ecology – Visiting Assistant Professor – Bates College, Lewiston, ME (Fall 2018 – Summer 2022)
- Marine Biology – Lab (250) & Seminar Instructor (490) – Friday Harbor Labs, Friday Harbor, WA (Fall 2020)
- Foundations in Ecology (Biol 356) – Instructor – UW, Seattle, WA (Fall 2015, Summer 2018)
- Marine Conservation Biology (Biol 5527) – Instructor – Northeastern University, Three Seas Graduate Program, Friday Harbor, WA (April 2018, 2019, 2020)
- Marine Ecology (Biol 433) – Instructor – UW, Seattle, WA (Spring 2018)
- Introductory Biology (Biol 180) – Lecturer – UW, Seattle, WA (Fall 2017, Winter 2018)
- Invertebrate Biology – Field Instructor – Swarthmore College – Friday Harbor, WA (August 2017)
- Marine Ecology Field Course, National Institute of Biology – Guest Instructor – Marine Biology Station, Piran Slovenia (June 2017, May 2018)
- Marine Biology (Biol/Fish/Ocean 250) – Instructor – Friday Harbor Labs, Friday Harbor, WA (Autumn 2016)

Grants, Fellowships, and Awards

Bates College

- STEM Faculty-Student Grant, \$6,133 (2020)
- Research Grant, \$3,000 (2020)
- Faculty Development Fund, \$9,482 (2018-2019)
- Harvard Center Community-Engaged Learning Project Grant, \$300 (Fall 2018, 2019)

University of Washington – Department of Biology

- Distinguished Teaching Fellowship, \$14,000 (2016)
- Paine Experimental and Field Ecology Award, \$1,000 (2016)
- Iuvo Award, \$800 (2016)
- Edmondson Award, \$2,000 (2015)
- Best Graduate Student Talk, Department Retreat, \$300 (2015)
- Paine Experimental and Field Ecology Award, \$2,540 (2014)
- Friday Harbor Labs Award, \$1,250 (2013)

Friday Harbor Labs

- Patricia L. Dudley Fellowship, \$1,500 (2020)
- Richard and Megumi Strathmann Fellowship and Ragen Fellowship, \$2,500 (2016)
- Richard and Megumi Strathmann Fellowship, \$2,500 (2015)
- Ragen Fellowship, \$2,500 (2014)
- Alan and Marian Kohn Fellowship, \$2,000 (2013)

Phycological Society of America

- Grant in Aid of Research, \$1,489 (2013)

Recent Invited Talks and Seminars

- 2020 Florida Atlantic University: Marine Science Seminar - Biotic and Abiotic Influences on Bull Kelp (*Nereocystis luetkeana*) Abundance and Distribution in the Salish Sea. – Virtual (Zoom) Presentation, October
- 2020 College of the Holy Cross: Bio 114 Guest Lecture – Macroscopic Primary Producers: The Seaweeds – Virtual (Zoom) Presentation, September
- 2019 Maine Maritime Academy: Biotic and Abiotic Influence on Bull Kelp– Castine, ME, September
- 2018 Oregon Institute of Marine Biology: Biotic and Abiotic Influences on Bull Kelp (*Nereocystis luetkeana*) Abundance and Distribution in the Salish Sea: It's Hard Out There for a Kelp – Charleston, OR, April

Selected Mentoring Experience

Friday Harbor Labs NSF/Blinks/Beacon Research Experience for Undergraduates

- 2022 (Summer) Demi Carballosa – The “urch-“ to eat: effect of encrusting bryozoans on the growth and feeding behavior of green urchins
- 2021 (Summer) Maria Garcia – Interactions between Northern kelp crabs (*Pugettia producta*) and bull kelp (*Nereocystis luetkeana*)
- 2020 (Summer) Muriel Dittrich – Feeding preferences of the Northern kelp crab (*Pugettia producta*) on Salish Sea seaweeds
- 2019 (Summer) Kasey Cordova – Quantifying Northern kelp crab (*Pugettia producta*) habitat and feeding preferences in the field and in the lab
- Declan Farr – Feeding preferences of Northern kelp crabs (*Pugettia producta*) on invasive *Sargassum muticum* as compared to local habitat forming primary producers (bull kelp, eelgrass)
- 2016 (Summer) K. Darby Flanagan - Life or death in the Salish Sea: The impact of biotic factors on the lifecycle of *Nereocystis luetkeana* (co-mentor with Dr. Megan Dethier)

Recent Community Engagement

- 2018-2022 Seattle Aquarium Beach Naturalist Field Program Lead – Seattle, WA – February to August
- 2021 Girl Scout Troup #5034, Lewiston, ME Climate Change Speaker (w/Sasha Seroy) – January
- 2020 Friday Harbor Labs Tide Bite Coauthor – Students Study Kelp Consumers, December
- 2016, 2017 Seattle Aquarium Beach Naturalist Volunteer – Seattle, WA – March to August
- 2013-2018 Open House Diver for a Day Diver/Volunteer – Friday Harbor Labs

Certifications, Skills, and Qualifications

University of Washington AAUS Scientific Diver and PADI Rescue Diver (9/2012)
Statistical analysis and programming in R
Washington State Boater Education card