MO TURNER

msturn@uw.edu, @PycnoPod
(she/her/hers)

RESEARCH INTERESTS

Echinoderms, marine ecology, top-down control, community ecology, predator ecology

EDUCATION

University of Washington, Seattle, WA   September 2015 - present
Ph.D. student, completed general exam
Biology Department, Dr. Jennifer Ruesink Lab

Northeastern University, Boston, MA   August 2013 – January 2015
Master's in Science, Marine Biology, Three Seas Program

College of William & Mary, Williamsburg, VA   August 2008 – May 2012
Bachelor of Science, Biology

TEACHING EXPERIENCE
(Scores listed are the combined median score of the Overall Summative Rating, out of 5. Each score is a lab section)

Teaching Assistant on Campus (University of Washington)

Biology 434: Invertebrate Biology	4.8 / 5.0	Winter 2020
Biology 356: Foundations in Ecology	4.4 / 4.9	Winter 2019
Biology 356: Foundations in Ecology	4.3 / 4.9	Autumn 2018
Biology 180: Introduction to Biology	4.5 / 4.8	Winter 2016
Biology 356: Foundations in Ecology	4.5 / 4.6	Autumn 2015

Teaching Assistant at a Field Station (Friday Harbor Labs)

MarBio 488: Field Methods in Marine Science		Fall 2020
FHL 548: Larval Ecology	4.9	Summer 2019
FHL 430: Invertebrate Zoology	4.9	Spring 2019
FISH 568: Marine Subtidal Ecology (scientific AAUS diving)	4.9	Summer 2018

Teaching Assistant through Northeastern University at FHL

Three Seas Program:	Physiological Marine Molecular Ecology	no evaluation	2015 - 2018
	Marine Birds and Mammals		(6 program iterations)
	Marine Conservation		

Teaching Assistant for a Workshop

Hokkaido University at Friday Harbor Labs	no evaluation	Fall 2018
Humans and the Marine Environment		

PUBLICATIONS

Turner M, Good T, Ruesink J. 2020. Summer-season abundance and foraging of waterbirds across a habitat mosaic on intertidal flats. PLOS ONE. *In review*.

Groner ML, Burge CA, Cox R, **Turner M**, Wyllie-Echeverria S, Friedman CA. 2018. Oyster and eelgrass: potential partners in a high pCO_2 ocean. *Ecology* 99:1802-1814. https://doi.org/10.1002/ecy.2393

Kollars NM, Henry AK, Whalen MA, Boyer K, Cusson M, Eklof JS, Hereu C, Jorgensen P, Kiriakopolos S, Reynolds PL, Tomas F, **Turner MS**, Ruesink JL. 2017. Meta-Analysis of reciprocal linkages between temperate seagrasses and waterfowl with implications for conservation. Frontiers in Plant Science. DOI: 10.3389/fpls.2017.02119

Montecino-Latorre D, Eisenlord ME, **Turner M**, Yoshioka R, Harvell CD, Pattengill-Semmens CV, et al. (2016) Devastating Transboundary Impacts of Sea Star Wasting Disease on Subtidal Asteroids. PLOS ONE 11(10): e0163190. doi:10.1371/journal.pone.0163190

Eisenlord M, Groner ML, Yoshioka R, Elliot J, Maynard J, Fradkin S, **Turner M**, Pyne K, Rivlin N, van Hooidonk R, Harvell CD. (2016) Ochre star mortality during the 2014 wasting disease epizootic: Role of population size structure and temperature. Phil. Trans. R. Soc. B 10.1098/ rstb.2015.0212

POSTERS AND PRESENTATIONS

Turner MS, Clardy T, Donatelli CM (2020, January). Bits and Pieces: Using Fractals to Understand Complex Morphology. Poster session presented at the annual meeting of the Society of Integrative and Comparative Biology.

Turner MS, Donatelli CM (2019, January). #Scanallstars: Comparison of the Calcareous Endoskeletons of Sea Stars Using High Resolution 3D Imaging and Fractal Analysis. Poster session presented at the annual meeting of the Society of Integrative and Comparative Biology.

Turner MS, Ruesink JL, Good T (2016, November). The Utilization of Tideflats by Higher-Trophic Organism: A Citizen Science Approach. Poster session presented at the annual meeting of the Western Society of Naturalists.

Turner MS, Ruesink JL (2016, October). Expanding Citizen Science into Tidal Mudflat Research: From Waterbirds to Shellfish. Oral talk was presented at the annual meeting of the Pacific Coast Shellfish Growers Association.

INVITED SPEAKER

Turner MS (2020, October) Fractal Skeletons: Measuring Sea Star Skeleton Complexity using Micro-CT Scans. College of William & Mary Biology Department Seminar Series.

Turner MS (2020, August) Adventures with Stars: *Pisaster ochraceus*. University of Washington's Friday Harbor Labs Summer Seminar Series.

Turner MS (2020, June) Adventures with Stars: *Pisaster ochraceus*. Seattle Aquarium Beach Naturalist Training Seminar Series.

Turner MS (2020, May) Adventures with Stars: *Pisaster ochraceus*. University of California Irvine Marine Ecology Seminar.

SERVICES

<table>
<tr><td colspan="2"><i>UW Biology Department</i></td><td colspan="2"><i>Friday Harbor Laboratories</i></td></tr>
<tr><td>Graduate Blog Editor (SciPos)</td><td>2020</td><td>DEI Committee</td><td>2020</td></tr>
<tr><td>Graduate Program Committee</td><td>2018 – 2020</td><td>REU Program Assistance</td><td>2019 – 2020</td></tr>
<tr><td>   Graduate Representative</td><td></td><td>   Mentor</td><td>2019</td></tr>
<tr><td>   Graduate Recruitment Organizer</td><td>2019 – 2020</td><td>Director Search Committee</td><td>2020</td></tr>
<tr><td>Graduate Student Symposium</td><td>2018</td><td>Advisory Board</td><td>2019 – present</td></tr>
<tr><td>Organizer</td><td></td><td></td><td></td></tr>
<tr><td>Graduate B.I.G. Program</td><td>2017 – 2020</td><td>Social Ambassador</td><td>2018 – 2020</td></tr>
<tr><td>G.L.A.D.E.</td><td>2017 – 2018</td><td>K-12 Volunteer</td><td>2018 – 2019</td></tr>
<tr><td>Intro Biology Field Trip Leader</td><td>2016 – 2020</td><td></td><td></td></tr>
<tr><td>   Woodland Park Zoo</td><td></td><td></td><td></td></tr>
<tr><td>   Seattle Aquarium</td><td></td><td></td><td></td></tr>
<tr><td>   Friday Harbor Labs</td><td></td><td></td><td></td></tr>
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<i>Greater UW Community & Beyond</i>

UW Marine Biology Director Search	2019
AAUS Scholarship Award Reviewer	2018 – present
UW Dive Control Board	2017 – present
Sound Scholars	2016 - 2018

RESEARCH AWARDS AND FELLOWSHIPS

2020	Anne Hof Blinks Fellowship
2019	Anne Hof Blinks Fellowship
	Emily Carrington Endowed Student Travel Support Fund
2018	Robert T. Paine Experimental and Field Ecology Endowed Fund
	Anne Hof Blinks Fellowship
	Emily Carrington Endowed Student Travel Support Fund
2017	Patricia L. Dudley Endowment
	Emily Carrington Endowed Student Travel Support Fund
2016	Sea Grant Research Fellowship
2015	Kenagy Award

RESEARCH SKILLS AND TOOLS

Certifications	AAUS Scientific Diver; PADI Rescue Diver; Washington State Boasters Card; University of Washington Friday Harbor Laboratories Small Boat Tender; UW IACUC Animal Use Training; CPR, First Aid, AED, O_2 Administration
Procedures	Transect surveys: diving, snorkeling, moving vessels, rocky intertidal; PCR: sterile technique
Software	R; JMP; ImageJ; DataViewer; 3D Slicer; ArcGIS; Microsoft Office: Word, Powerpoint, Excel