



SCHOOL OF AQUATIC AND FISHERY SCIENCES
UNIVERSITY OF WASHINGTON

2026 Spring Seminar Series

April 23, 4:00PM
Thursday (Th) (FSH 107)

Early life experiences and symbiosis shape stress responses in marine invertebrates: Linking environmental memory and life history programming to predict resilience

Ariana Huffmyer

Research Scientist, University of Washington,
School of Aquatic and Fishery Sciences

Early life experiences play a critical role in shaping resilience in marine invertebrates. This talk will explore how symbiotic interactions and environmental experiences influence life-history trajectories and stress responses in corals and oysters, and how these insights can be extended to understand resilience. I will also discuss my future research program, which will use these integrative approaches to investigate how early-life mechanisms shape performance and resilience across intertidal species at Friday Harbor Laboratories.

Ariana's research integrates organismal physiology with molecular and biochemical approaches to understand how marine invertebrates respond to environmental stress and how this knowledge can inform environmental stewardship. She completed her PhD at the University of Hawaii at Manoa studying coral reef ecophysiology and early life stress responses. Her postdoctoral work as an NSF Ocean Sciences Postdoctoral Fellow at the University of Rhode Island and University of Washington focused on the mechanisms of symbiotic interactions in corals under stress and how early life experiences shape performance in oysters.

Accommodation requests related to a disability or health condition should be made before the event by contacting Jon Wittouck, Assistant Director, Facilities for SAFS: 206-616-8552/wittouck@uw.edu.

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