

Curriculum Vitae

Education

University of Washington, Seattle (September 2020 - Present)

- Master of Science in Aquatic and Fishery Sciences

Bowdoin College (Honors, September 2013 - May 2017)

- B.A. Biology
- Minor History

Publications

- **Coyle A.F.**, Voss E.R., Tepolt C.K., and Carlon D.B. 2019. "Mitochondrial genotype influences the response to cold stress in the European green crab, *Carcinus maenas*". *Journal of Experimental Biology* 222. doi.org/10.1242/jeb.203521

Presentations

- **Coyle A.F.** *The Canadian green crab invasion and the genetic and phenotypic consequences* (Bowdoin College Honors Symposium, May 2017)
- **Coyle A.F.** *Some like it cold? Links between genotype and freezing tolerance in a green crab hybrid zone* (Benthic Ecology Meeting Society, April 2017). Awarded Best Undergraduate Student Presentation

Grants

- Victor and Tamara Loosanoff Endowed Fellowship (2021)
- Hall Puget Sound Student Support Fund (2020)
- Quahog Bay Conservancy Fellowship (2016)
- Grua/O'Connell Research Award (2016)

Awards

- Bowdoin Research Award (May 2017)
- Best Undergraduate Student Presentation (BEMS; April 2017)

Additional Research Experience

Graduate Researcher: Roberts Lab, University of Washington (September 2020 -)

- Investigated response of Tanner crab and their parasite *Hematodinium* to changes in temperature using transcriptomics
- Used generalized linear modeling to find factors that increase vulnerability of Tanner crab to infection with *Hematodinium*

Undergraduate Researcher: Carlon Lab, Bowdoin College (September 2016 - May 2017)

- Investigated linkage between thermal tolerance and mitochondrial genotype in an invasive population of the European green crab, *Carcinus maenas*.

Conservation Intern: Greater Cleveland Aquarium (June 2016 - August 2016)

- Gathered data on movement and distribution of the endangered spotted turtle

Undergraduate Researcher: Lyon Lab, Bowdoin College (September 2015 - December 2015)

- Examined the impact of salinity shifts on membrane permeability in sea ice diatoms

Additional Professional Experience

Scientific Technician II: Washington Department of Fish and Wildlife, Forage Fish (March 2020 - September 2020)

- Gathered data on forage fish spawning and larval distribution

Fish and Wildlife Technician III: Alaska Department of Fish and Game, Salmon Research (May 2019 - August 2019)

- Supervisor of remote salmon weir camp. Monitored Afognak River salmon run

Fish and Wildlife Technician II: Alaska Department of Fish and Game, Dockside Sampling (December 2017 - April 2019)

- Gathered & analyzed data on Kodiak Island commercial groundfish & shellfish fisheries

Fish and Wildlife Technician II: Alaska Department of Fish and Game, Crab Research (June 2017 - April 2019)

- Surveyed crab populations in Bering Sea, assisted with pilot study design
- Laboratory manager for snow crab fecundity research project

Membership, Certificates, and Positions

Merchandise Coordinator, Fisheries Interdisciplinary Network of Students (2020 -)

PADI Open Water (2016 -)