

## LAURINNE BALSTAD

lbalstad@ucdavis.edu

### EDUCATION

---

- 2021-Present** University of California, Davis  
*Population Biology Graduate Group*  
*MS 2023, PhD expected 2025*
- 2017-2021** St. Olaf College, Bachelor of Arts  
*Mathematics and Biology, Summa Cum Laude*

### PUBLICATIONS

---

- Balstad, L. J.,** Fedewa, E. J., & Szuwalski, C. S. **2024.** Drivers of bitter crab disease occurrence in eastern Bering Sea snow crab (*Chionoecetes opilio*). ICES Journal of Marine Science, fsae068.
- Balstad, L. J.,** Binning, S. A., Craft, M. E., Zuk, M., & Shaw, A. K. **2021.** Parasite intensity and the evolution of migratory behavior. Ecology, 102(2), e03229.

### PRESENTATIONS

---

- Balstad, Laurinne** and Baskett, Marissa. Poster: Conserving sick populations: demographic or evolutionary rescue? Western Society of Naturalists, **Nov 2023**
- Balstad, Laurinne** and Szuwalski, Cody. Size and density-dependent incidence of BCD suggests cod predation more important than fishery for disease control. Alaska Marine Science Symposium, **Jan 2023**
- Balstad, Laurinne** and Clifton, Sara. Modeling racial bias and homophily in professional hierarchies. SIAM Dynamical Systems, **May 2021**
- Balstad, Laurinne,** Binning, Sandra, Craft, Meggan, Zuk, Marlene, and Shaw, Allison. Poster: Parasite intensity influences evolution of migratory behavior via migratory escape. Society of Mathematical Biology Annual Meeting, **Aug 2020**

### GRANTS & FUNDING

---

- 2023** Jastro-Fields Small Grant: Virulence evolution in macroparasites in response to human-induced selection: a case study from salmon aquaculture  
*University of California, \$2,775*
- 2021-Present** Graduate Research Fellowship  
*National Science Foundation, \$144,000*
- 2021-Present** Graduate Research Traineeship  
*National Science Foundation, Sustainable Oceans NRT \$34,000*
- 2022** CBSM Conference Student Travel Award
- 2021-2022** Dean's Distinguished Graduate Fellowship  
*University of California, \$27,000*

## WORKSHOPS

---

**May 2022** CBMS Conference: Interface of Mathematical Biology and Linear Algebra  
*Applications of linear algebra to epidemiology and disease systems*

## TEACHING

---

**Winter 2024** Teaching Assistant, Population Ecology  
*University of California, Davis*  
*Material creation: Fisheries dynamics and management lab*

**Summer 2023** Teaching Assistant, Margine Ecosystem Research and Management  
*University of New Hampshire, Shoals Marine Laboratory*  
*Guest lectures: Data Management; Ecosystem indicators: Bering Sea Bitter Crab Disease Case Study*

## OUTREACH & SERVICE

---

**2022-Present** UC Davis Ecology & Evolution Preview Program  
*Co-chair, Mentorship co-coordinator, Workshop presenter*  
*Program encourages students from underrepresented backgrounds to consider and apply to graduate school by making application process transparent*

**2021-Present** Population Biology Student Diversity Committee Member  
*University of California Davis*