

Monica M. Sheffer (she/her)
Postdoctoral Scholar, Department of Biology, PI Lauren
Buckley

sheffer@uw.edu | @MonicaSheffer



Questions

What are the factors that contribute to species' successful **responses** to **novel environments**?



How do **fecundity** and **survival** constraints vary with elevation?



How has 50 years of recent climate warming affected the **phenology** and **morphology** of montane grasshoppers?

Approaches

Fieldwork –
observation, collection, reciprocal transplant experiments

Lab work –
common garden experiments, genomics, physiology



Motivation

→ generate empirical and experimental data to **improve predictions of fitness responses to climate change**