

## Janelle Espinoza, MARB

Assessment of the genetic diversity of colonizing fauna in restored *Spartina alterniflora* marshes in Southeast Texas

My project is the comparison of faunal genetic diversity in restored versus natural marshes in Galveston, Texas. Specifically, I am looking at the genetic diversity of Gulf Killifish (*Fundulus grandis*), daggerblade grass shrimp (*Palaemonetes pugio*), and a species of planthopper (*Prokelisia marginata*).



In the photo, I'm extracting DNA from daggerblade grass shrimp samples from Sportsman's Road marsh here in Galveston.