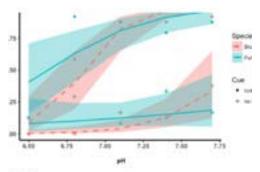
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How does decreasing plaffect the anti-predator response in two species of intertidal snails?

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As anthropogenic CO2 emissions continue to increase and the ocean acidi es in a process called ocean acidi cation, man marine organisms are documented showing maladaptive behavioral responses. is paper studies the e ect of decreasing pH on the response of two important intertidal snails, T. funebralis and T. brunnea, when exposed to predator-conditioned water. Both species live at di erent heights in the intertidal and are exposed to distinctly di erent pH conditions. Five discrete pH levels were assessed in this experiment ranging from 7.7-6.5. e results demonstrate that T. funebralis and T. brunnea both exhibit a degraded anti-predator response at low pH, and that their responses do not signi cantly vary between species. is study suggests that T. brunnea is more tolerant to low pH conditions than previously predicted, and that both species are at risk in a projected acidi ed ocean.



gure 4.

se effect of pH on proportion of time spent out of the water when
nebhals and T. brunnea were exposed to que and no que. Solid
shed lines represent their respective logistic regression lines as
aded areas represent 95% confidence intervals.

Biography

6KHOE\ %DFXV LV FXUUHQWO\ ¿QLVKLQJ KHU % 6 LQ 0DULQH DQG &RDVWDO 6FLHQFH DW WKH 8QLYHU university conducting research at Bodega Marine Laboratory investigating how physical and biological stressors affect marine invertebrates. After graduating she plans on pursuing her Ph.D. in marine ecology and biological oceanography.

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