



SWIMMING BEHAVIOUR RESPONSE OF THE PTEROPODS TO THE SYNERGIC IMPACT OF OA AND FRESHENING

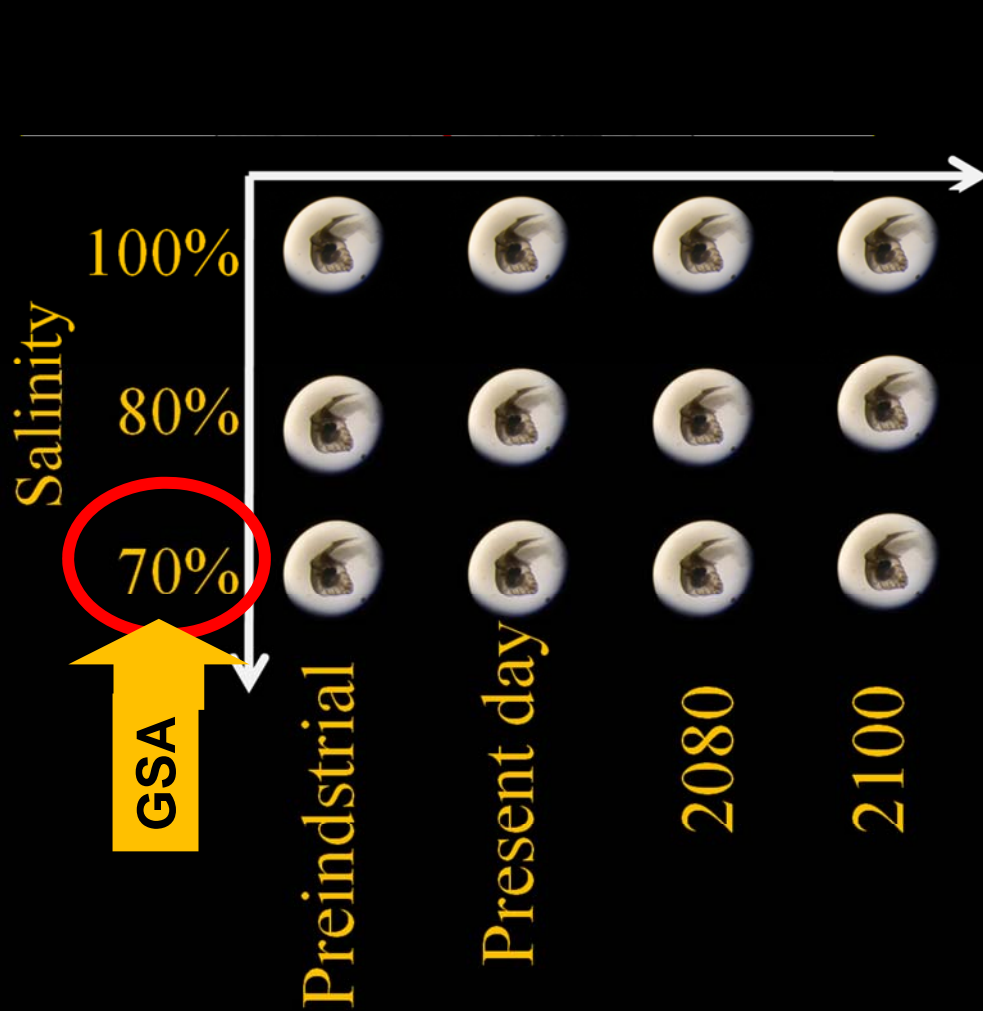
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L. retroversa



EXPERIMENT DESIGN...



Survival



- Upward speed
- Wing beats

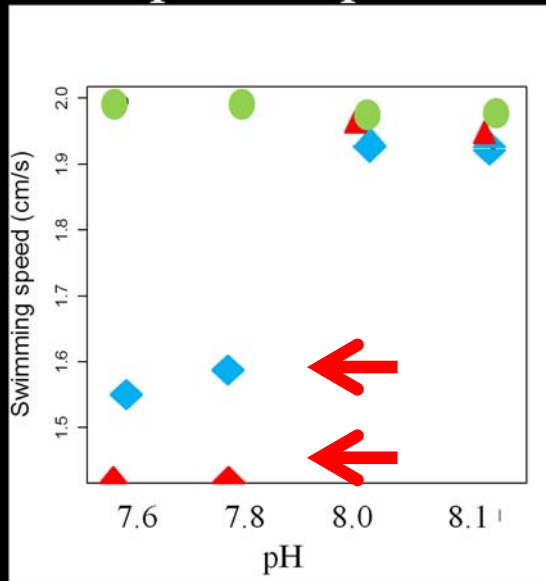


SWIMMING RESPONSE...

- 100% S
- ◆ 80% S
- ▲ 70% S

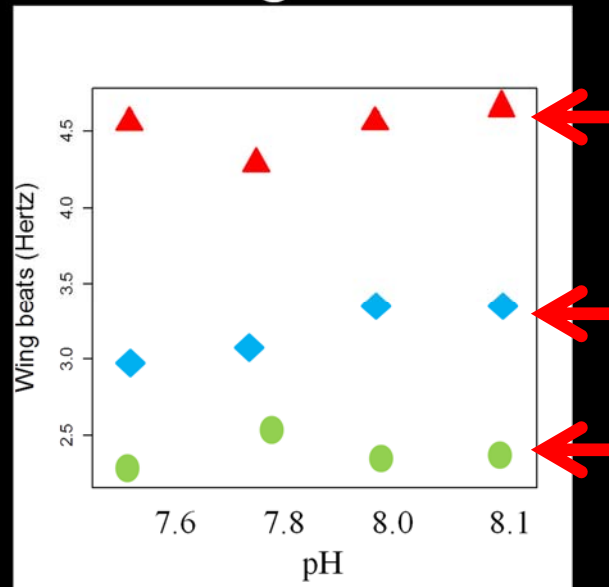


Upward speed



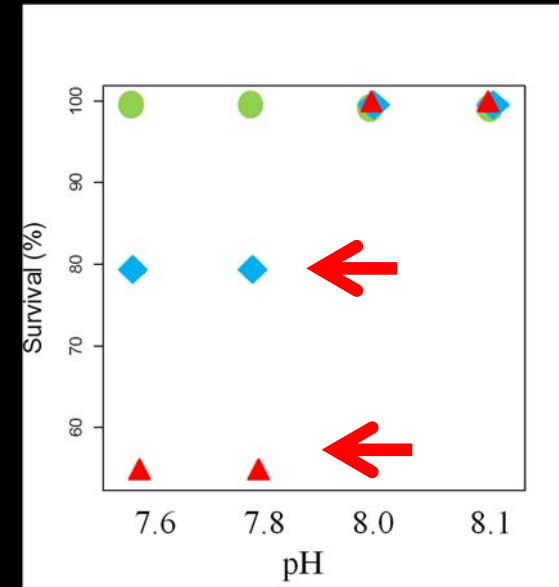
Under combined stress Pt. cannot swim upward

Wing Beats



Pt. counteract the change in negative buoyancy and viscosity

Survival



OA and S affect the survival only when combined



CONCLUSION



The extra energy required to

1-avoid the sinking (freshening)

+

2-counteract the dissolution (OA)



seem exceed the budget availability of pteropods affecting survival and behavior

Energy is the key!

Thank you!



Installation by Cecile H. Derel