Highlights for Schwemmer et al.

“Attributing hypoxia responses of early life *Menidia menidia* to energetic mechanisms with Dynamic Energy Budget theory”

**Highlights**

* Bioenergetic mechanisms of Atlantic silverside hypoxia responses were investigated.
* Hypoxia effects were modeled with a simplified Dynamic Energy Budget model.
* We connected physiology with energetic processes to identify potential mechanisms.
* Conversion efficiency and mortality parameters best explained hypoxia effects.
* This mechanism could impact energy flow across generations and trophic levels.