

## EFFECTS OF OA IN PACIFIC OYSTERS



- ▶ Oysters were exposed to either low pH (7.31) or ambient pH (7.82) conditions for seven weeks.
- ▶ Oysters were then held for eight weeks in ambient conditions, and subsequently reproductively conditioned for four weeks at ambient pH.



Altered  
proteomic profile

Timmins-Schiffman et al.  
2014

Adult

Unfertilized egg

Trochophore

Sperm inactive  
at pH < 7.0

Boulais et al. 2018

D-hinge

Spat

Reduced  
settlement

Burton et al., NSA 2018

Pediveliger

Developmental  
delays

Timmins-Schiffman et al.  
2012

Veliger

