

# Triple the Fins, Triple the Fear?

*Investigating the effects of predation threat on developing triplefin fish*

Brad Lamont, MSc candidate – Marine Science



A triplefin guarding its eggs

How does a high predation environment influence morphometry and behaviour of developing triplefin fish?



A common triplefin on a rock

**Predator-prey relationships** are fundamental within marine ecosystems. It is important to understand how predation affects embryos during **development**.



Example lab setup

Fish can detect nearby predators by sensing **chemical alarm cues** in the water which increases survivability.

**DID YOU KNOW?**  
NZ has 26 species of triplefins and all of them are native!

How?

Lab experiment exposing eggs to **chemical alarm cues** and observing changes in morphometry and behaviour post hatch at PML.



Portobello Marine Lab (PML)



Supervisor: Bridie Allan