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<https://scholar.google.com/citations?user=ggI3bggAAAAJ&hl=pt-BR>

Summary

Colour polymorphism occurs across a range of animals, including marine invertebrates. Its expression is driven by endogenous and exogenous factors, although most of the times their interplay is not clear and evidence is anecdotal. Herein, I propose to study and unravel the factors involved in polychromatism in *Catostylus mosaicus*, the common blubber jellyfish of eastern Australia. To that purpose, we will perform field collections and laboratory experiments with medusae, as well as chemical characterisation of pigments and gene expression profiles from transcriptomes. This will allow further understanding on the evolution of polychromatism, pigment properties, and jellyfish responses to predicted environmental changes.

Research Expertise

- Ecology
- Evolution
- Zoology
- Biogeography
- Genetics