

Immortality of the *Turritopsis Dohrnii*

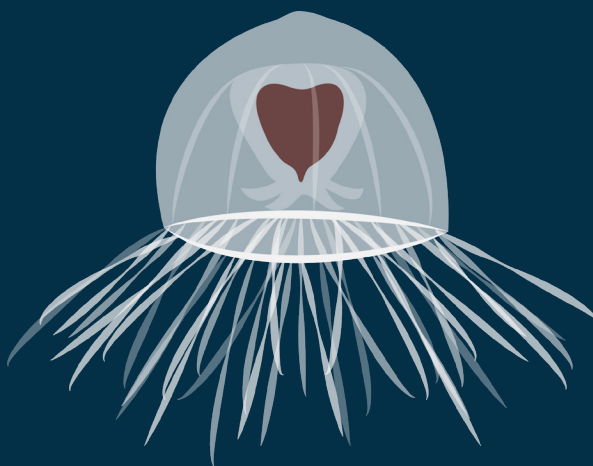
- Originating from Japan, then to the Mediterranean sea, these tiny master transporters are now in seas all over the world.

- The *Turritopsis Dohrnii* Jellyfish are not really a form of fish; they are actually Cnidarian – Invertebrates: Animals without backbones; there is a possibility that the name *Jellyfish* will be changed to *Sea Jellies*.

- Maximum size is only 4-5mm including their tentacles; that is no bigger than a penny, which helps them to get through small cracks in boats.

- Tentacles release a toxin that kills their prey before digesting it; diet consists of plankton, fish eggs, larvae, including other small sea creatures.

MEDUSA



EGG



PLANULA LARVAE

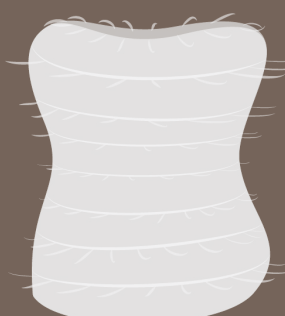


SETTLED PLANULA



- Chances of death include succumbing to predation or disease when reverting to polyp form in Medusa stage.

POLYP



BUDDING POLYP



EPHYRA



MATURING MEDUSA



- **Transdifferentiation:** Alters the differentiation state of cells and transforms them into brand new types of cells.

This could be an indefinite process.

For more information

<https://a-z-animals.com/animals/immortal-jellyfish/>

https://www.youtube.com/watch?v=OgQAVlh6ewI&ab_channel=BenGThomas