



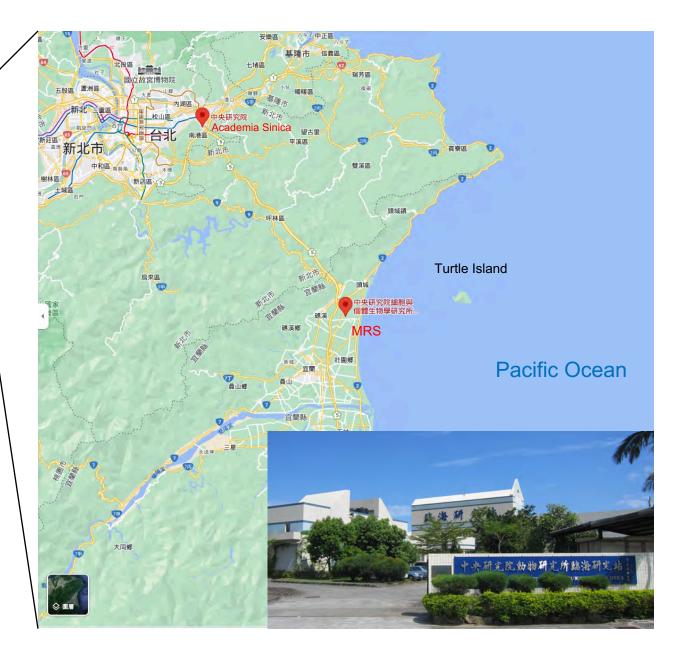
#### Yi-lan Marine Research Station (MRS) Institute of Cellular and Organismic Biology (ICOB), Academia Sinica

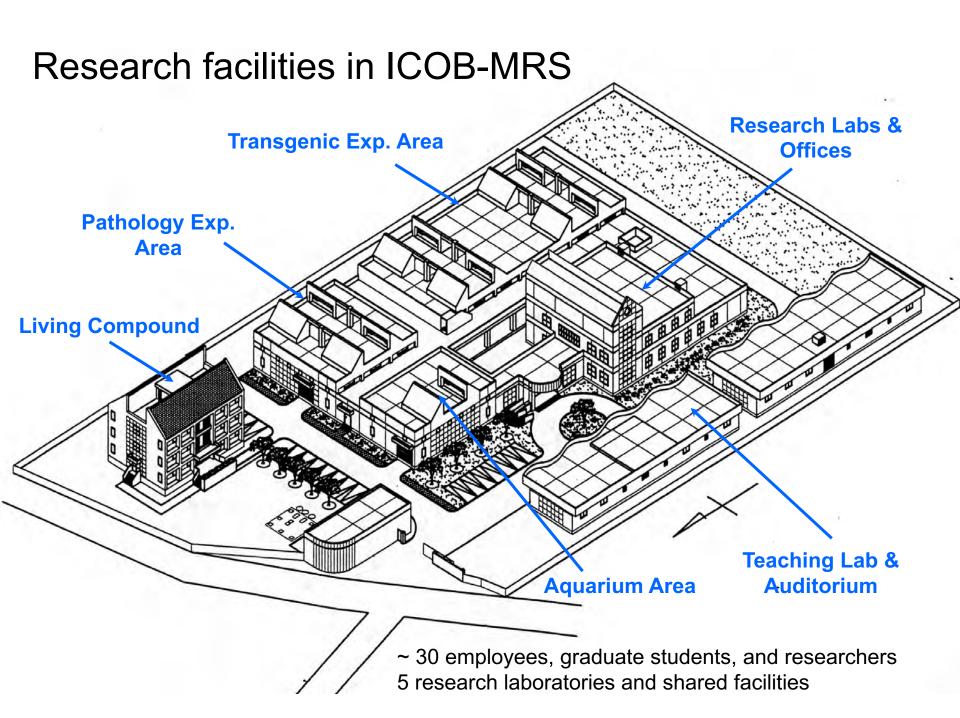
### Jr-Kai Sky Yu, Chief of MRS



### MRS is located near the northeast coast of Taiwan







## Principle investigators in ICOB-MRS:

Research Theme: Understanding the interplay between form and function, and its adaptation to an ever changing environment

#### **Primary members**

Jyh-Yih Chen: Antimicrobial peptides, Marine biotechnology Kinya Ota: Evolution by domestication Yung-Che Tseng: Physiological adaptation Jr-Kai Yu: Evolution of developmental mechanisms

Vincent Laudet (Joint appointment with OIST): Metamorphosis and color variation of clownfish



Laudet V



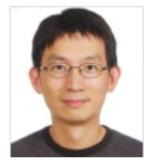
Chen JY



Ota K



Tseng YC



Yu JK

### Research facilities in ICOB-MRS







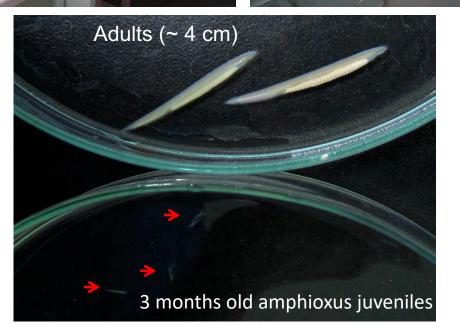
The amphioxus facility and algae culturing system in ICOB-MRS



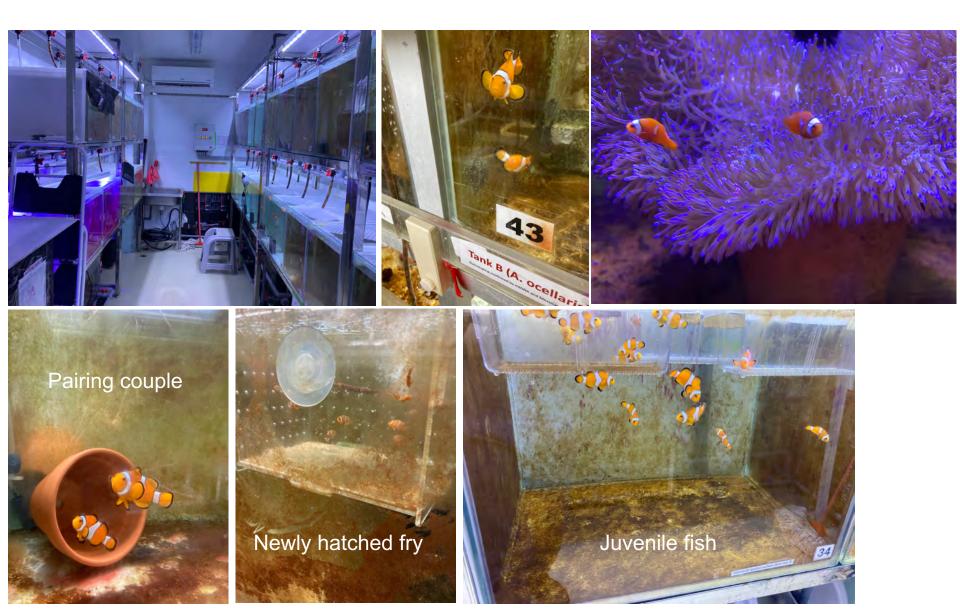
Amphioxus facility in MRS – inverted day-night light regime for obtaining gametes at noon



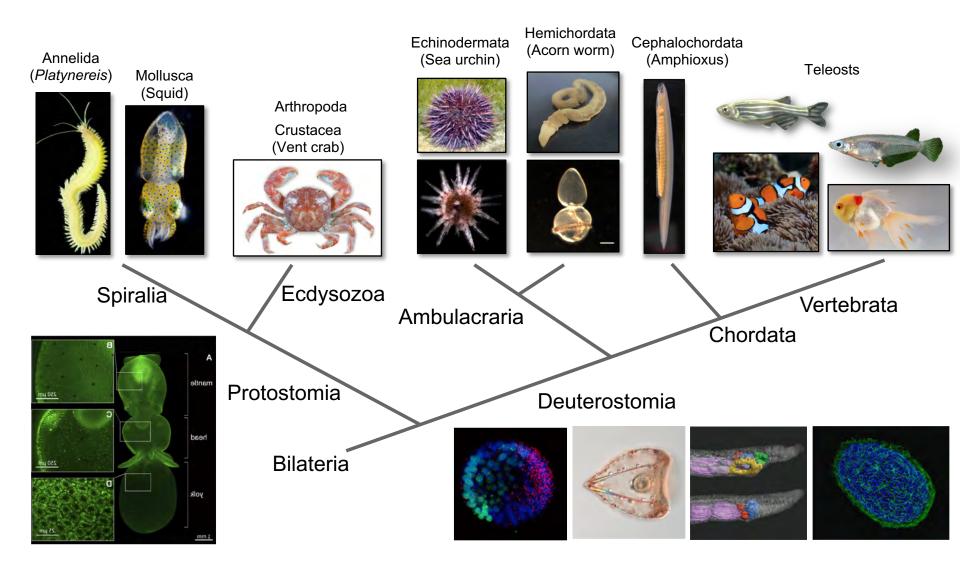




### Clownfish facility in MRS



### Our research topics cover a wide variety of organisms, enabling comparative approaches for cross-species studies

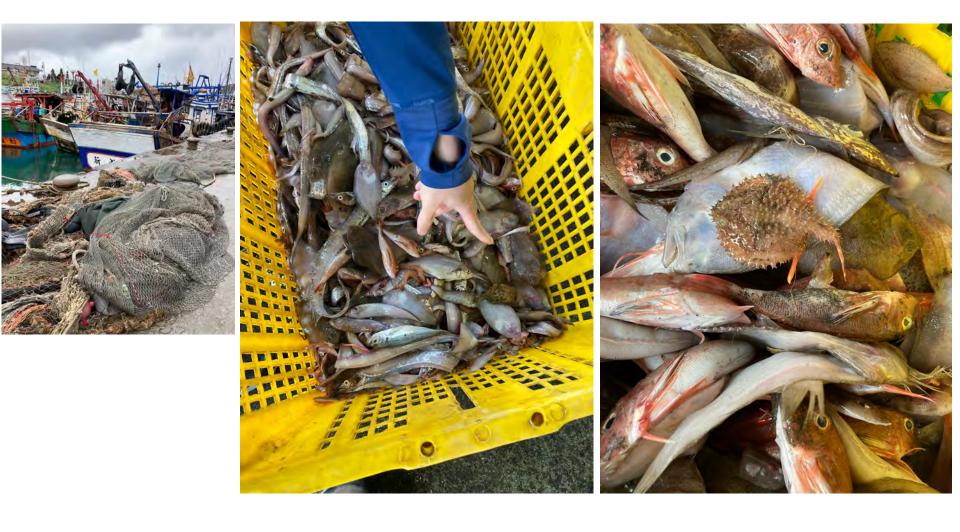


Experimental approaches in cell biology, developmental biology, and physiology

#### Northeast coast of Taiwan- rocky shore and coral reef



#### Nearby fishing port - Dashi



# **ICOB Marine Research Station**

### Our Aims:

- 1. Serving as a biological resource center tropical/subtropical region
- 2. Developing strategically selected marine model organisms
- 3. Employing multi-omics and advanced imaging technologies
- 4. Promoting collaborations

