

## OIST-CNRS Joint Symposium on West Pacific Marine Biology - Program

OIST – Okinawa – April 23-26, 2024

### ■ First day: April 23 -----

- 9:00 Introduction by OIST President and CNRS INSB Directeur.
- 9:30 Official opening of the IRL lab
- 10:10 Hugues ROEST-CROLLIUS (Ecole Normale Supérieure, France)  
*Title: ATLASea: reference genomes of marine biodiversity along the French coastline, focus on New Caledonia in the South Pacific.*
- 10:50 Coffee break
- 11:10 Arnaud GUERBET (National Taiwan University, Taiwan)  
*Title: Synthesizing Cnidarian performance: An integrative trait-based approach for cross-taxa comparisons in functional ecology.*
- 11:30 Nicholas YAP (National University Singapore)  
*Title: Getting to know our blobs: uncovering the identity, biology and ecology of sea anemones and jellyfish from Singapore*
- 11:50 Alexia DUBUC (James Cook University, Australia)  
*Title: "Understanding hypoxia in coastal ecosystems and its consequences on fish: insights from natural and impacted habitats".*
- 12:10 Lana MINIER (CRIOBE, French Polynesia)  
*Title: Impact of noise pollution on coral reefs: from the soundscape to the individual.*
- 12:30 Lunch time  
Including poster presentations and campus tour(optional)
- 14:00 NEO Mei Lin (National University Singapore)  
*Title: Supporting Marine Science Research Through Sustainable Mariculture. \*zoom*
- 14:40 Sen-Lin TANG (Academia Sinica, Taiwan)  
*Title: Unveiling the mysteries of coral-bacterial interactions: A quest for empirical evidence.*
- 15:20 Yong-Jin WON (Ewha Womans University, South Korea)  
*Title: Evolution and invasion of mud-tidal gastropod, *Batillaria attramentaria*, in changing environments*
- 16:00 Coffee break
- 16:30 Sumio UDAGAWA (Ochanomizu University, Japan)  
*Title: An attempt to reveal the developmental mechanisms underlying the determination of pentameric body axis in echinoderms*
- 16:50 Eric KOCH (Observatoire Océanologique de Banyuls, France)  
*Title: Establishing *Sepiola affinis* as a model for beneficial host-microbe associations.*
- 17:10 Boongho CHO (Inha University)  
*Title: Evolution of exoskeleton characteristics in deep-sea hydrothermal vent crustaceans.*

17:30 Time available. 3 Flash talks selected from posters. 10min each.

18:00 End of day 1

■ Second day: April 24 -----

9:00 Kate QUIGLEY (The University of Western Australia)

*Title: Breeding and Selecting Corals Resilient to Global Warming*

9:40 Timothy RAVASI (OIST, Japan)

*Title: Adaptation and Acclimation of Coral Reef Fish as a Response to Climate Change.*

10:20 Coffee break

10:40 Stefano VIANELLO (Academia Sinica, Taiwan)

*Title: Thyroid hormones trigger stomach development and differentiation during clownfish metamorphosis*

11:00 Takumi T SHITO (Keio University)

*Title: Evaluation system of ascidian eggs transparency and comparative analysis for deciphering the mechanism of organismal transparency*

11:20 Yuuki SHIKAYA (Institut de la mer de Villefranche, France)

*Title: Synchronisation of rhythmic contraction in primary polyps of Clytia hemisphaerica.*

11:40 Yutaka SATOU (Kyoto University, Japan)

*Title: Ascidian embryonic cells suggesting a shared evolutionary origin of neural crest and neuromesodermal cells*

12:20 Lunch time

Including poster presentations and campus tour(optional)

14:00 David LECCHINI (CRIOBE, French Polynesia)

*Title: Understanding marine biodiversity, its fragility and resilience: Example of Bora-Bora*

14:40 Shinya SHIKINA (National Taiwan Ocean University, Taiwan):

*Title: Title: Factors involved in the asexual reproduction in the stony coral, Galaxea astreata.*

15:20 Rebecca CASE (Nanyang Technological University, Singapore):

*Title to be indicated.*

16:00 Coffee break

16:30 Sirius Ng (National University Singapore)

*Title: Mermaid Monographs: Dugongs in Southeast Asia.*

16:50 Adam DOWNIE (University of Queensland, Australia)

*Title: physiological changes under-pinning metamorphosis in coral reef fishes.*

17:10 Time available. 4 Flash talks selected from posters.

17:50 End of day 2

■ Third day: April 25 -----

- 9:00 Fanny HOULBREQUE (IRD, New Caledonia)  
*Title: Nutrition as a boost for corals to resist to marine heat waves*
- 9:40 ★ Special guest ; James REIMER: A snapshot of Okinawa marine biodiversity.
- 10:20 Coffee break
- 10:40 Lucie Cartairad (Marepolis, French Polynesia)  
*Title: Environmental DNA as a survey tool of coral reef fish biodiversity.*
- 11:00 Jae Gon PARK (Korea Institute of Ocean Science and Technology, South Korea)  
*Title: Toxic effects of the wastewater produced by underwater hull cleaning equipment on the copepod Tigriopus japonicus*
- 11:20 Stephanie BERTRAND (Observatoire Océanologique de Banyuls, France)  
*Title: Amphioxus mesoderm development and the emergence of the vertebrate head*
- 12:00 Lunch time  
Including poster presentations and campus tour(optional)
- 14:00 Mikiko TANAKA (Tokyo Institute of Technology, Japan)  
*Title: Evolution of developmental process across the fin-to-limb transition.*
- 14:40 Andrew CHIN (James Cook University, Australia)  
*Title: Sharks in the Asia-Pacific: moving from old narratives to new-tech opportunities.*
- 15:20 Sung-Jin HWANG (Woosuk University, South Korea)  
*Title: The Past, Present, and Future of Coral Research in Korea*
- 16:00 Coffee break
- 16:30 Filip HUSNIK (OIST, Japan)  
*Title: Exploring Marine Microbial Symbioses with Advanced Imaging and AI Tools.*
- 17:10 4 Flash talks from OIST young investigators in marine science
- 17:50 End of day 3
- 18:30 Banquet

■ April 26: Visit of the Chauraumi Aquarium to have participants exposed to the Okinawa Marine Biodiversity