

## **YK17-17 Cruise summary**

**Cruise ID:** YK17-17

**Research vessel:** R/V Yokosuka and Shikai6500

**Title of the Cruise:**

Elucidation of microbial ecosystems utilizing iron  
and other environmental factors to support their activity  
in “Iron-dominated Flocculent Mats” at Tarama Knoll

**Chief Scientist:** Hiroko Makita (JAMSTEC)

**Proponent of the cruise:** Hiroko Makita (JAMSTEC)

**Cruise period and Ports of call:**

August 2, 2017 (Naha)-August 10, 2017 (Ishigaki)

**Research area:** Okinawa, Japan

**Water depths:** 1,500-2,000 m

**Overview of the Investigation:**

We carried out following *in-situ* experiments and samplings.

1. Recovery of *in-situ* colonization system 'GALI'
2. Sampling of sediments, benthos, fluid
3. Turbidity, DO, Methane, Hydrogen and ORP measurements

**Dives:**

6K Dive#1508 (Aug. 3, 2017)

6K Dive#1509 (Aug. 4, 2017)