

# Lecture Series “*Frontiers in Science*”

## Dr. Xijili

### IREC, Osaka Metropolitan University

---

Title : **Context-dependent regulation of animal behavior and physiology: insights from invertebrate models**

Date & Time : June 19, 15:00~16:30

July 3, 15:00~16:30

July 17, 15:00~16:30

Venue : Room 846, General Education Building, Sugimoto Campus

**Abstract:** Animal behavior and physiology are shaped not only by genetic and internal mechanisms, but also by external context. Recent studies have shown that social interactions, environmental disturbance, and hidden features of experimental design can substantially influence internal states and biological responses. At the same time, the complexity of higher animals often makes it difficult to dissect the mechanisms underlying behavior, neural function, and physiology. In this context, invertebrate animals provide powerful and experimentally tractable model systems. This lecture series will explore these issues through several recent topics in modern biology.

