

# 145<sup>th</sup> WPI-IIIS Seminar

## Cell Ensemble Mechanisms Underlying Memory Formation

Memories are not stored in isolation from other memories but are integrated into associative networks. At the same time, each memory has its own identity. In this seminar, I will show that sharing memory engram cells underlies the linkage between memories, while synapse-specific plasticity guarantees the identity and storage of individual memories. In addition, I will talk about how sleep contributes to the formation of memory engram.

### References

1. Abdou et al, Science, 360, 1227-1231. doi:10.1126/science.aat3810
2. Yokose et al, Science, 355: 398-403. doi:10.1126/science.aal2690



## Dr. Kaoru Inokuchi

Department of Biochemistry, Graduate School of Medicine & Pharmaceutical Sciences, University of Toyama

Date: **Friday, February 15, 2019**

Time: **12:00 – 13:00**

Venue: **1F Auditorium, IIIS Building**



Contact: International Institute for Integrative Sleep Medicine, University of Tsukuba  
029-853-8080 (ext. 8080) | [wpi-iiis-alliance@ml.cc.tsukuba.ac.jp](mailto:wpi-iiis-alliance@ml.cc.tsukuba.ac.jp)