

157th WPI-IIIS Seminar

Neuronal cargo transport by multiple carriers like a MIKOSHI (portable shrine) transport

Motor proteins, such as kinesin and dynein, deliver cargos packed with many kinds of materials including neurotransmitters along highway-like long axons. Our research shows that cargos were carried cooperatively by multiple motor proteins, much like a group of people working together for a MIKOSHI (portable shrine) transport for Japanese festivals! We found that increase/decrease of the number of the carriers was related to neuronal diseases.



Dr. Kumiko Hayashi

Applied Physics Department,
School of Engineering,
Tohoku University

Date: **Monday, September 9, 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