

# 21<sup>st</sup> WPI IIIS Seminar

## “Role of the medial prefrontal cortex in cataplexy”

Narcolepsy is characterized by chronic sleepiness and cataplexy, episodes of profound muscle weakness that are often triggered by strong, positive emotions. Using orexin knock-out mice as a model of narcolepsy, we examined the brain sites activated during cataplexy induced by chocolate, a highly palatable food. We then investigated whether reversible inhibition of one of the activated areas, the medial prefrontal cortex could prevent chocolate-induced cataplexy and examined the downstream circuits that may mediate this effect.



### Speaker: Dr. Yo Oishi

International Institute for Integrative Sleep  
Medicine, University of Tsukuba

**Date:** Thursday, August 1, 2013

**Time:** 12:00-13:00

**Venue:** Room #402, 4F, Health and Medical Science Innovation  
Laboratory, University of Tsukuba

★ **Pizza and refreshments will be served.**



# IIIS

INTERNATIONAL INSTITUTE FOR INTEGRATIVE  
SLEEP MEDICINE



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