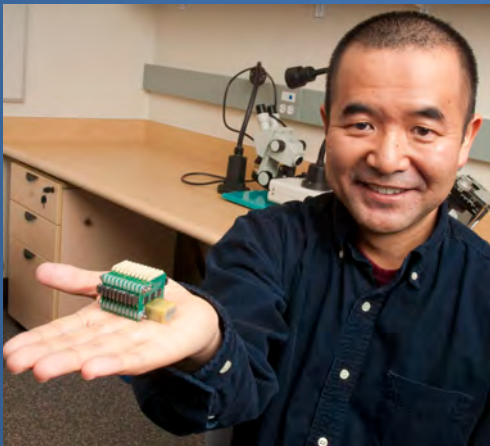


105th WPI-IIIS Seminar

Reactivation of procedural memory during REM sleep

It has been suggested that memory is consolidated during sleep when both motor output and sensory input are minimized. Reactivation of behaviourally induced neural activity during non-REM sleep as well as quiet wakefulness supports this conjecture. However, relatively little is known about memory reactivation during REM sleep. In this talk, first, I will review the recent electrophysiological studies on memory reactivation. Second, I will talk about our investigation of REM reactivation using spatial memory task as well as procedural memory task. Our preliminary data suggest that REM reactivation can be detected with procedural memory but not with spatial memory. The results indicate that consolidation of procedural memory may benefit from REM sleep reactivation.



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Date: **March 1 (Wed), 2017**

Time: **11:00 - 12:00**

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



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