

18th WPI IIS Seminar

“Functional mapping of neural circuitry governing sleep/wake - Role of orexin receptors”

Orexin plays a critical role in the maintenance of wakefulness. Orexin receptors are widely distributed in the brain, including wake-active monoaminergic and cholinergic nuclei. To identify a key site/pathway for orexinergic arousal, we produced a new mouse model of orexin receptor rescue, in which orexin receptors are functional only in the areas with expression of Cre recombinase. A possible wake-promoting neural circuitry in the posterior hypothalamus/midbrain will be discussed based on the functional mapping of orexin receptors.



Speaker: Dr. Takatoshi Mochizuki

Beth Israel Deaconess Medical Center / Harvard Medical School, Boston, USA.

Date: Tuesday, July 2, 2013

Time: 14:00-15:00

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



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