



NEURO GLOBAL Seminar

第56回脳神経科学コアセンターセミナー共催

Adult-born neurons in memory consolidation during sleep

睡眠中の記憶固定化と成体の新生ニューロン

New neurons are constantly being generated in the adult hippocampus of mammals, including humans¹. It is known that sleep influences adult-neurogenesis² and memory consolidation³. Therefore, the adult-born neurons may play an important role in the mechanism of memory consolidation during sleep. However, the function of the adult-born neurons' activation during sleep in memory consolidation is unknown. Through optogenetic, connectomic and genomic approaches, we have found that activities of a particular age group of the adult-born neurons are necessary for memory consolidation at a specific stage of sleep. This study hopes to reveal the mechanism of memory consolidation during sleep.

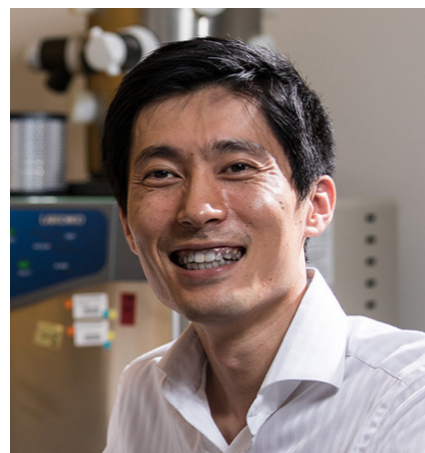
Speaker

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Tsukuba)



Date

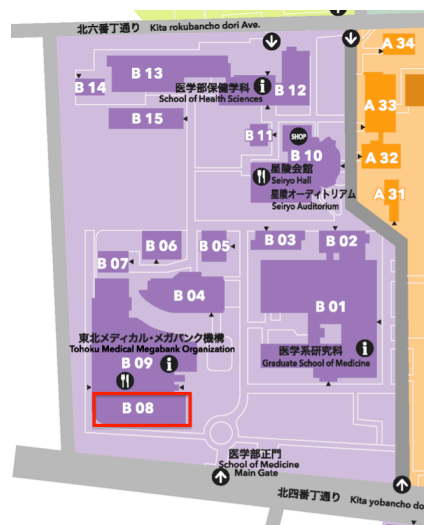
January 26 (Fri.) 16:30~17:30

Venue

医学部6号館 カンファレンス室1 (6号館1階)
(星陵キャンパス)

Conference Room No.1 ,
School of Medicine Building 6 1F, Seiryō Campus

<http://www.med.tohoku.ac.jp/access/index.html>



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