

# Graduate School Seminar

## Neural circuit mechanisms for episodic memory formation

**Speaker: Takashi Kitamura, Ph.D**

The UT Southwestern Medical Center, Texas, USA

**Date: 28th January 2021 (THU.) 15:30~17:00**

**Live streaming by Zoom**

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In humans and rodents, the entorhinal cortical-hippocampal circuit is crucial for the formation and recall of memory, preserving both spatial information and temporal information about the occurrence of past events. In the class, I will examine the complementary roles of multiple medial entorhinal cortical inputs into the hippocampus for both temporal and spatial aspects of memory.

**Selected Publications:**

- 1) Kitamura et al., *Science* 356 (2017) 73-78.
- 2) Kitamura et al., *Neuron*, 87 (2015) 1317-1331.
- 3) Kitamura et al., *Science*, 343 (2014) 896-901.

※ This seminar is eligible for credit accreditation for "Advanced Study of Brain Science" of Graduate School of Medicine and Pharmaceutical Sciences for Education.

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**Organizer: Daisuke Miyamoto (RCIBS/Laboratory for Sleeping-Brain Dynamics) (Ext, 7324)**