



NEUROSCIENCE AND PHYSIOLOGY SEMINAR SERIES

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“Spontaneous Theta Oscillations in the Primary Visual Cortex and their Role in Visual Memory.”

Spontaneous theta rhythms have been associated with the memory-related functions of the hippocampus (HPC) and have recently been shown to support synchronization between the HPC and other brain regions, including cortical areas. Similar rhythms have also been observed in the primary visual cortex (V1), and their synchronization with the retrosplenial cortex (RSC), which links the HPC to broader cortical regions, suggests they are functionally connected. My talk aims to describe these spontaneous theta oscillations in V1, including their detection, relation to their visually-evoked counterparts, and their interaction with the HPC. Finally, I will propose a hypothesis for their role in visual memory consolidation and replay.



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TUESDAY, APRIL 14TH | 12:00 PM | LILY 1-117

