

新潟脳神経研究会特別例会の御案内

日時：平成30年7月17日（火）17:00～18:00

場所：脳研究所 1F 検討会室

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Visual Motion Processing from Retina to Visual Cortex in Mice

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Visual system is organized in a hierarchical structure, in which extracted sensory information by the retinal parallel circuits is transmitted to downstream neuronal stages via diverging and converging pathways. Computation of visual motion is one of the most fundamental functions of visual system and critical for animal's survival. However, we are still far from understanding how visual motion is processed by neuronal circuits in different visual areas for mediating relevant visually guided behaviors. My lab combines multi-disciplinary experimental approaches such as molecular biology, transcriptome analysis, mouse genetics, two-photon imaging, electrophysiology and behavioral analysis in order to link genes, cell types, circuits and behavior by using the mouse motion vision as an experimental model. In this talk I will present recent findings from our lab aiming at understanding the function of visual motion circuits in the retina and visual cortex in the mouse.

どうぞ奮ってご参加ください。

(担当：動物資源開発研究分野 笹岡俊邦)
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