

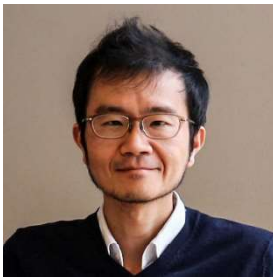
デンマーク・オーフス大学研究者による  
オンラインセミナーの御案内

**BRI-DANDRITE online joint lecture**

日時：令和3年12月7日(火) 17:00~18:00

開催方法：**Zoom**

**Visual motion processing from retina to visual cortical areas in mice**



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Inferring the direction of image motion is critical for the survival of animals. Past studies on rodents and rabbits have shown that visual motion processing starts in the retina. However, it remains unclear how visual motion is extracted by neuronal circuits of the retina and further processed in downstream cortical areas for mediating relevant visually guided behaviors. My lab combines experimental approaches such as molecular biology, transcriptome analysis, mouse genetics, two-photon imaging, electrophysiology, trans-synaptic circuit labeling, and behavioral analysis to address these questions. In this talk I will present two recent findings from our lab: direction selectivity in retinal bipolar cell axon terminals and cortical processing of retina-originated motion signals for computing binocular optic flow patterns. These findings together point to fundamental mechanisms by which sensory features are extracted by neuronal circuits.

どうぞ奮ってご参加ください。

(司会：脳研究所 動物資源開発研究分野 教授・笹岡 俊邦)