
The 28th iCeMS SEMINAR

2009 9. 18 (金)
16:00-17:00

講演者： Prof. Rachel O. L. Wong
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University of Washington

演題： Activity-dependent Regulation of Synaptic
Development in the Vertebrate Retina

場所： 京都大学 iCeMS コンプレックス 1
本館 2 階 セミナールーム (A207)

The highly organized circuitry and well-characterized visual function of neurons in the vertebrate retina allow us to assess how changes in cell-cell interactions, including neuro-transmission, regulate the structural development, connectivity and function of retinal circuits. Using live-cell imaging techniques, electrophysiology and molecular approaches, we have recently explored how reduction in neurotransmission during development influences the rate of synapse formation and elimination in the inner retina. Our findings suggest a role for activity in the local, rather than global, regulation of synaptic connectivity between retinal neurons.

主催： 京都大学 物質-細胞統合システム拠点 (iCeMS=アイセムス)

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