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15:00-16:00

講演者：合田　裕紀子　博士

理化学研究所 脳科学総合研究センター
シナプス可塑性・回路制御研究チーム

演　題：Regulating synaptic strength distribution in the dendritic tree

Dendrite is a neuronal structure specialized for receiving and processing information through its many synapses. How incoming activity modifies synaptic strength distribution across the dendrite is fundamental to understanding brain function although much remains unclear. Using a combination of electrophysiology and imaging approaches in simple circuits, Dr. Yukiko Goda and her colleagues have studied the relationship between neighbouring synapses in single postsynaptic neurons. In this seminar, she will show evidence they obtained for a novel cellular mechanism in balancing presynaptic strengths of convergent synaptic connections that target the same dendritic tree.

場　所：京都大学 アイセムス本館（東一条北西角）2 階
セミナーホール（A207）

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