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昆虫嗅覚系全脳シミュレータの構築

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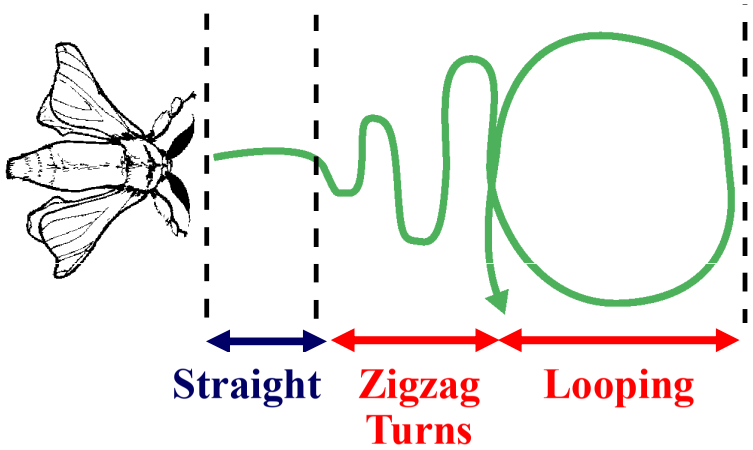
本研究のめざすもの：

動物神経系の設計原理の解明に向けた，神経回路の挙動を予測可能なシミュレータの構築．

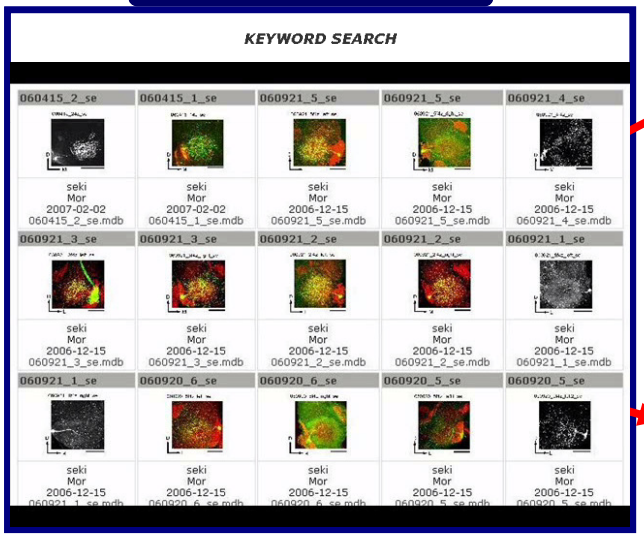
今回の内容：

行動司令に関わる細胞を詳細にモデル化し，64細胞から成るネットワークモデルを構築し，シミュレーションを行った．

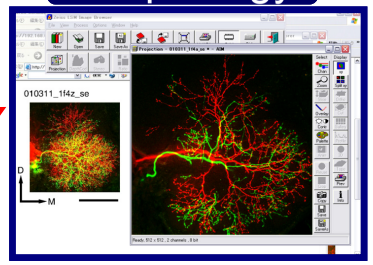


Database of single neurons (>1,200 cells)

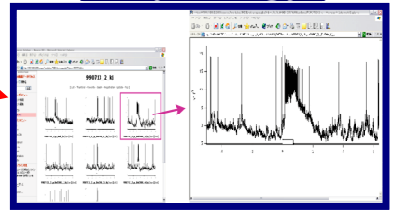
Neuron Database



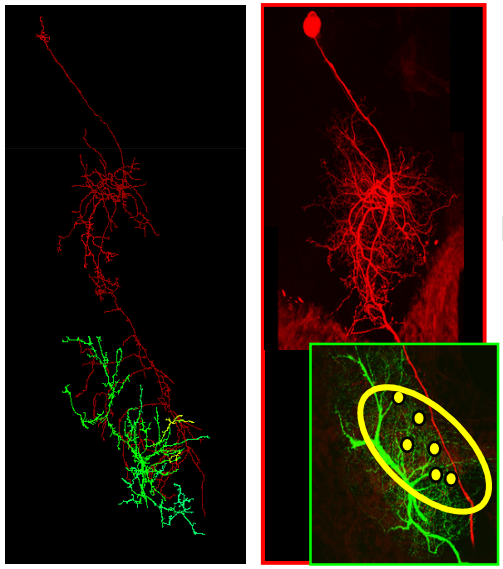
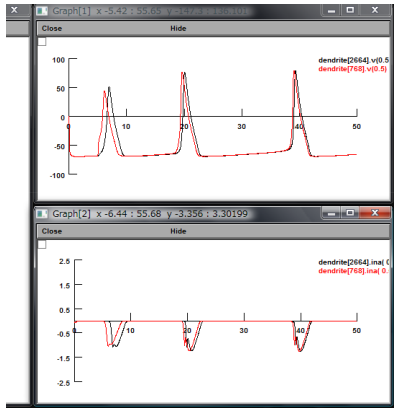
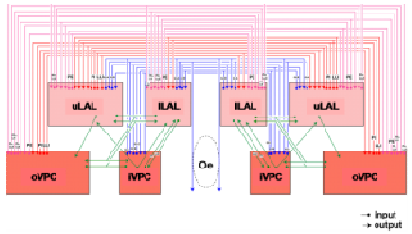
Morphology



Physiology



Extraction of cells & putative connection points



Building network model & simulation