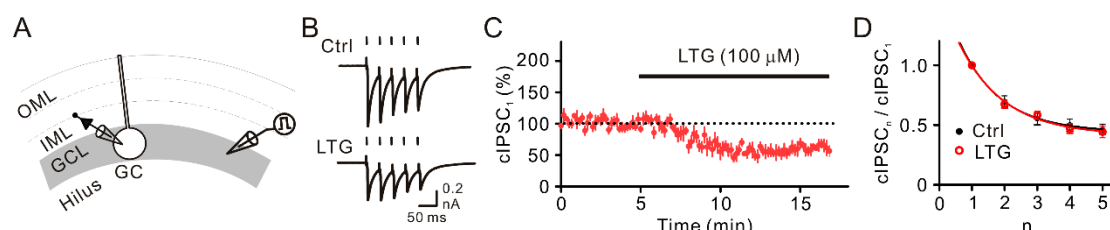


# Supplementary Materials: Revisiting Lamotrigine-Mediated Effect on Hippocampal GABAergic Transmission

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**Figure S1.** LTG inhibited compound IPSCs without affecting multiple pulse ratio at BC-GC synapse. (A) Schematic diagram showing extracellular stimulation of IN axons in the GCL and GC recording; (B) Compound IPSCs were evoked by stimulation protocol (25 Hz burst of 5 current pulses every 10 s) and the corresponding cIPSC traces (average of 25 sweeps) before and after treatment of LTG (100 μM). Note that LTG did not alter short-term synaptic plasticity. Vertical ticks represent the stimulation pulses; (C) Plot of their corresponding normalized cIPSC1 amplitude in control and after bath perfusion of LTG (100 μM) from 7 experiments. Horizontal bar represents time of LTG application. Symbols indicate mean; error bars indicate SEM; (D) Mean ratio of cIPSCn/cIPSC1 plotted against the number within the train ( $n$ ).