



**Figure 1.** Behavioral and electrophysiological effects of 100 nM DHPG on the hippocampal theta rhythm. *A*, Behavioral trace of a rat's movement on a treadmill. *B*, Electrophysiological trace of the hippocampal theta rhythm. *C*, Mean theta power (mV<sup>2</sup>) for four groups: Control (n = 10), DHPG (n = 10), DHPG + NBQX (n = 10), and DHPG + NBQX + NBQX (n = 10). *D*, Mean theta power (mV<sup>2</sup>) for four groups: Control (n = 10), DHPG (n = 10), DHPG + NBQX (n = 10), and DHPG + NBQX + NBQX (n = 10). Error bars represent SEM. Asterisks indicate statistical significance.