Online Figure 1
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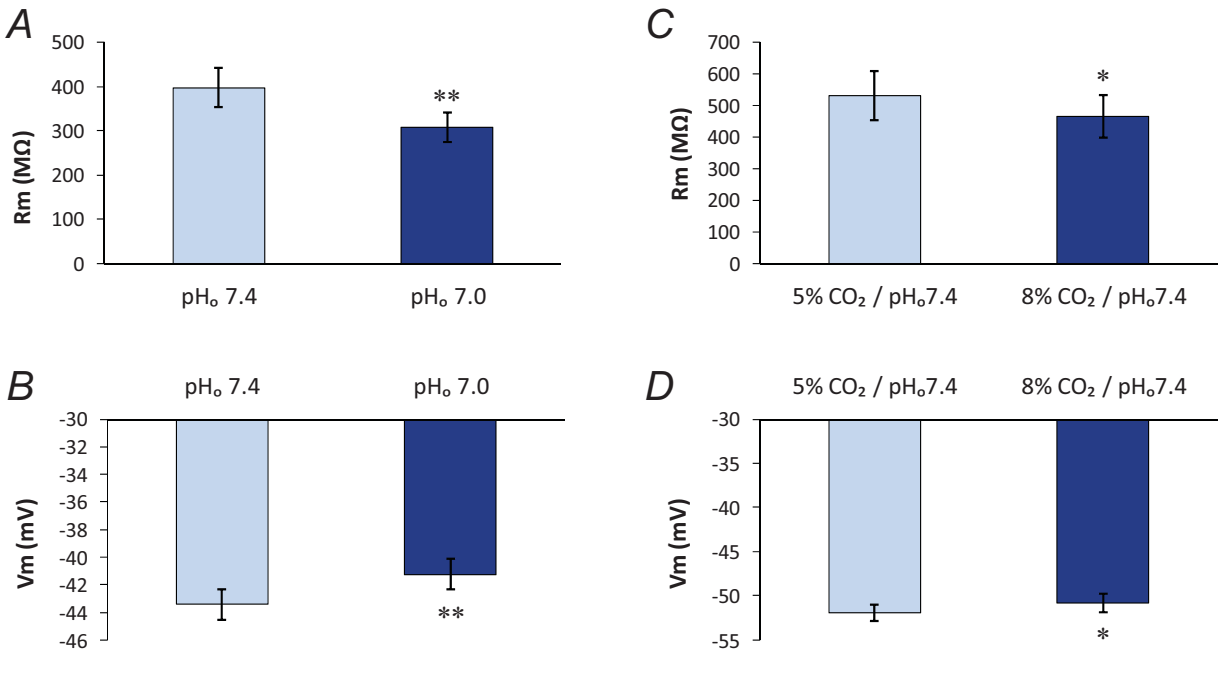
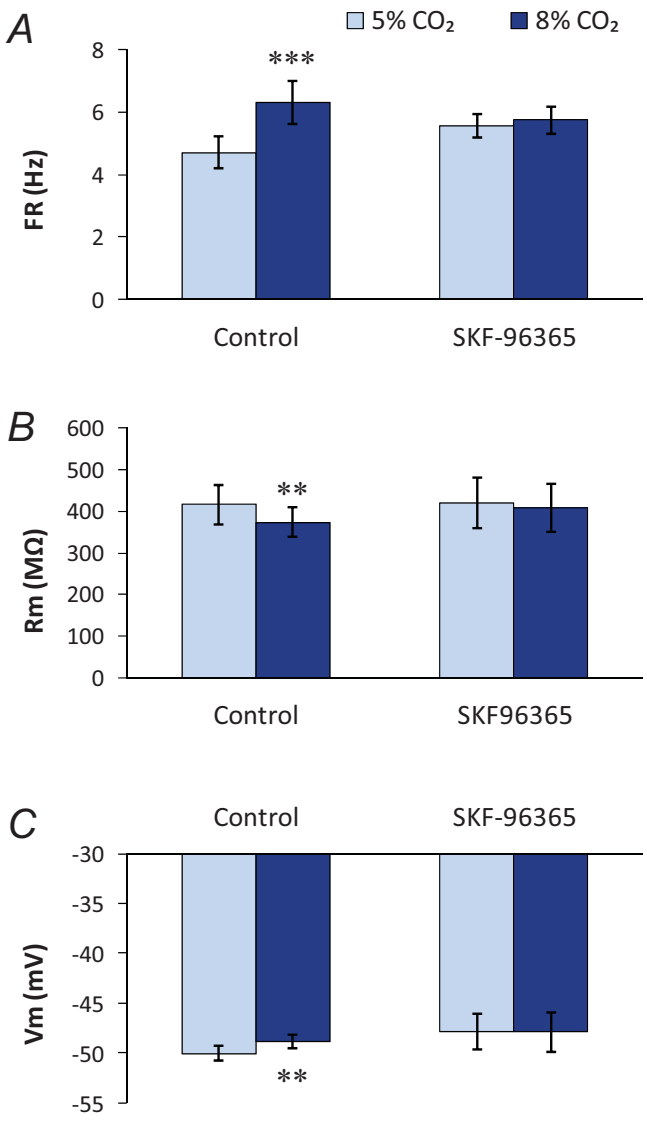


Online Figure 1. Selective extracellular acidification caused a reduction in Rm (A) and depolarization (B). ***C,D***. Similar effects were produced by selective intracellular acidification with pH_o 7.0 (*, P<0.05; **, P<0.01).

Online Figure 2
Cui et al.



Online Figure 2. LC neuronal responses to hypercapnia after synaptic blockade. The high CO_2 exposure remained to produce significant changes in FR, RM and Vm (n=7 cells; **, P<0.01; ***, P<0.001). Such changes were abolished in the presence of 50μM SKF-86365 (n=4 cells). Data are presented as means ± s.e.

Online Figure 3
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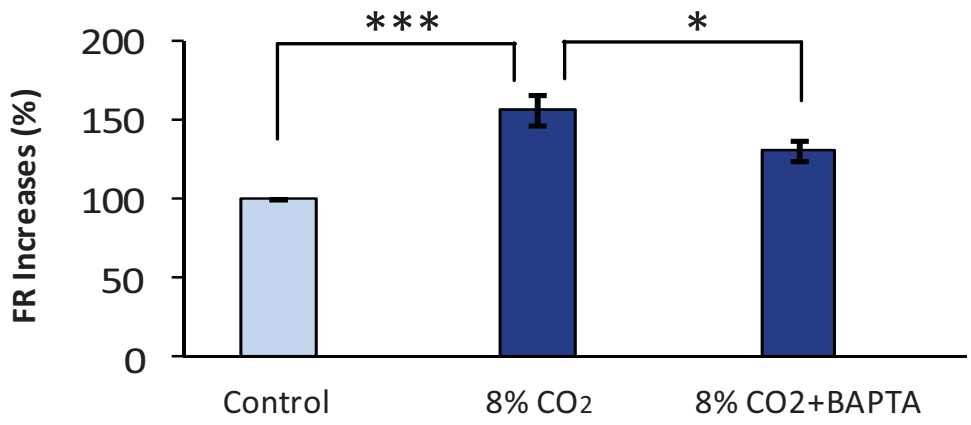

Online Figure 3. The effect of BAPTA on the CO_2 response of LC neurons. Although an exposure to 8%CO_2 still augmented firing activity with 10 mM BAPTA in the pipette solution, the firing rate changes were significantly reduced in comparison with the cell response in the absence of BAPTA (*, P<0.05; ***, P<0.001; data are presented as means ± s.e, n=8 cells)