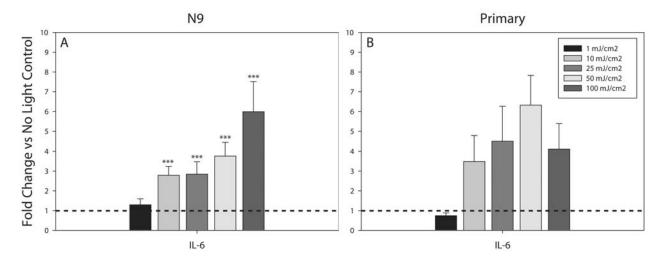
Blue Light Modulates Murine Microglial Gene Expression in the Absence of Optogenetic Protein Expression

Supplementary Info

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Supplementary Figure 1: Effect of blue light on basal II-6 gene expression. Blue light (450 nm) was delivered for 1 second per minute for 6 hrs at the indicated energy doses. The data were analyzed using the $\Delta\Delta$ Ct method (Ct values fell outside of the linear range of the standard curve), and are graphed as means \pm 1 SEM of the light-induced % change in gene expression relative to that observed in the absence of light (dotted line). II-6 gene expression in a) N9 microglia (n=6 each light condition) and b) primary microglia (n=3 light doses 1, 10, 25, 50 mJ/cm²; n=6 light dose 0, 100 mJ/cm²). **P < 0.01, ***P < 0.001 vs. no light control by Holm-Sidak test.