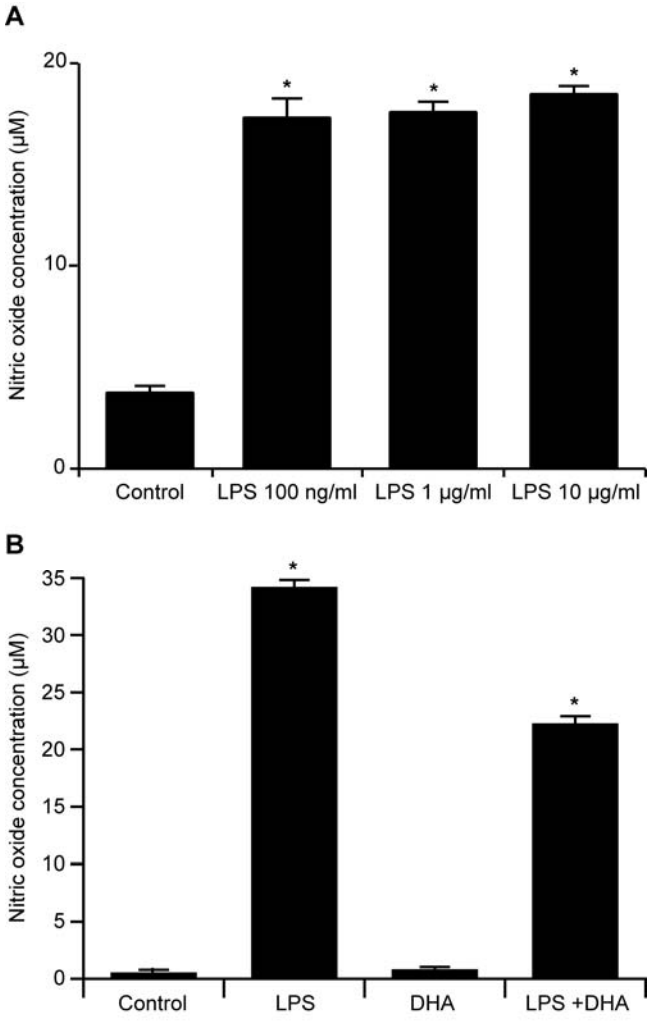
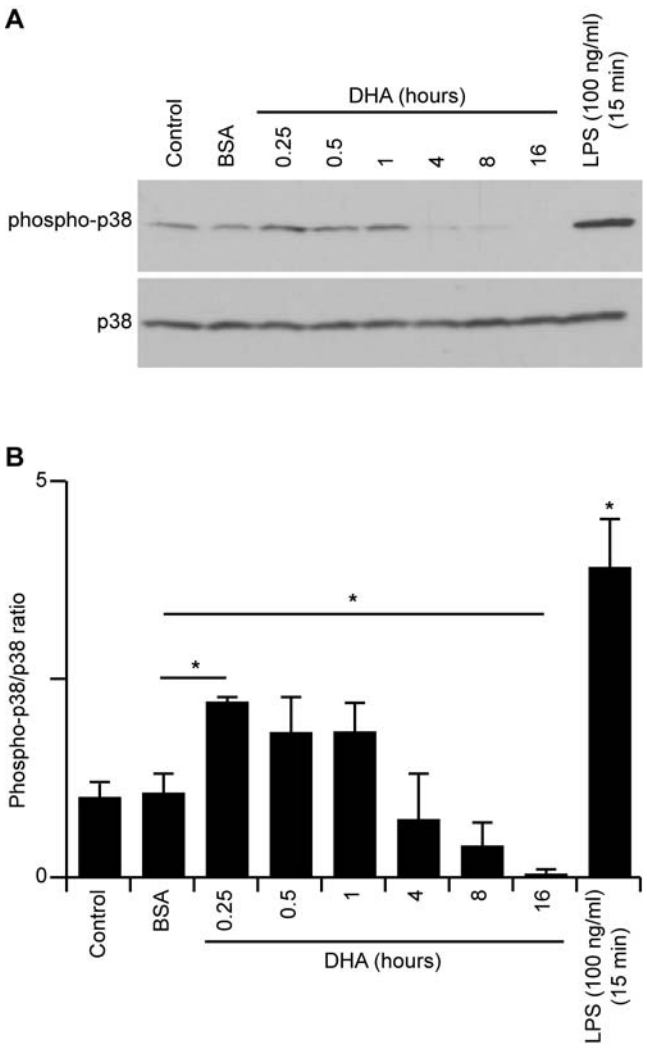
Supplemental Information:



Supplemental Figure 1:

LPS treatment induces an upregulation in NO release while DHA supplementation lowers NO release from N9 microglial cultures. **A**, Following 24 hours of LPS treatment, there was an increase in NO secretion from N9 microglial cell cultures. **B**, Quantification of NO release from cultured microglia. There was an upregulation of in NO release following 24 hours of LPS treatment that was lowered in the presence of DHA. Control, 0.67±0.12 µM; LPS, 34.33±0.49 µM; DHA, 0.94±0.093 µM; LPS+DHA, 22.4±0.51 µM. Control, $n = 6$; LPS, $n = 6$; DHA, $n = 5$; LPS+DHA, $n = 5$; * $p < 0.05$.



0.05. Chang et al. - Journal of Neuroinflammation - SI Figure 2

Supplemental Figure 2:

DHA induces p38 phosphorylation. **A**, Example of DHA-induced increase in phosphorylated p38 levels. The effect of DHA treatment decreases in a time-dependent manner. The maximum increase in phospho-p38 was achieved following a 15-minute LPS treatment. **B**, Quantification of Western blot analysis. $n = 6$; * $p <$