



**SUPPLEMENTARY FIG. S3.** Relative gene expression of cells transduced through biomaterial-mediated delivery and challenged with IL-1 $\alpha$  for the EF1 $\alpha$ -IL1Ra group. Fold changes were determined relative to 0 h controls. Error bars represent means of fold change  $\pm$  SEM ( $n=6$ ). Asterisks represent significance relative to NT control group ( $p < 0.05$ ). (A) *Ccl2* gene expression. (B) *Il6* gene expression. (C) *Il1rn* gene expression. NT, non-transduced.